THE ARCHITECT & BUILDING NEWS

27 JANUARY 1955 · VOL. 207 · NO. 4 · ONE SHILLING WEEKLY

- **HARROWFIELD SECONDARY MODERN SCHOOL**
- **CURRENT MARKET PRICES AND CURRENT MEASURED RATES**

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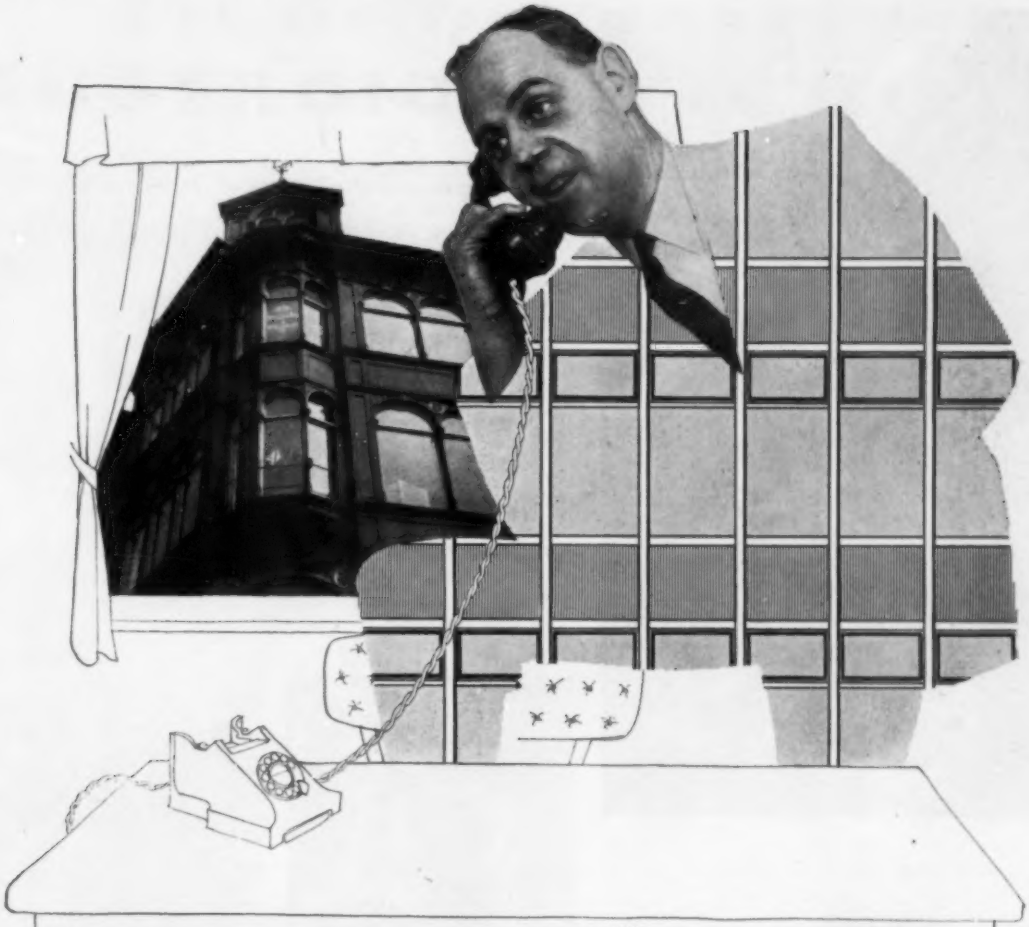
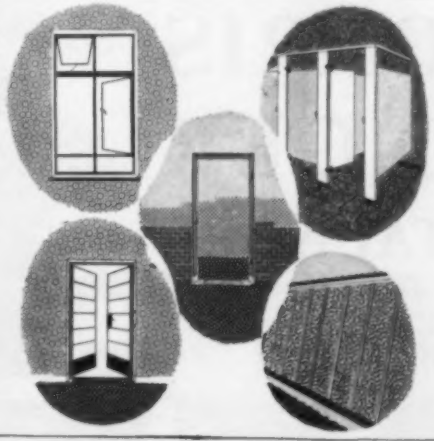


Bob Leech—between the old and the new

"Wallspan" says Mr. Leech*, our Liverpool Area Manager, "is going well. But the idea isn't new to Liverpool." And he points out that the Williams & Williams office is housed in a building with a century-old curtain walling system, forerunner of Wallspan, far heavier, more clumsy and ornate, but still "on the right line". Bob Leech is a quiet, pleasant man with that air of inner confidence anyone can acquire by spending the early years of his life amid the rough and tumble of the R.A.F. His area is North Wales to Barrow-in-Furness. His team of representatives, draughtsmen, estimators and window fixers is skilled and energetic. Bob Leech drives them hard in giving service to the architects in his area.

* MR. R. H. LEECH, WILLIAMS & WILLIAMS LTD
1 Harrington Street, Liverpool 2 (Central 0325-6)



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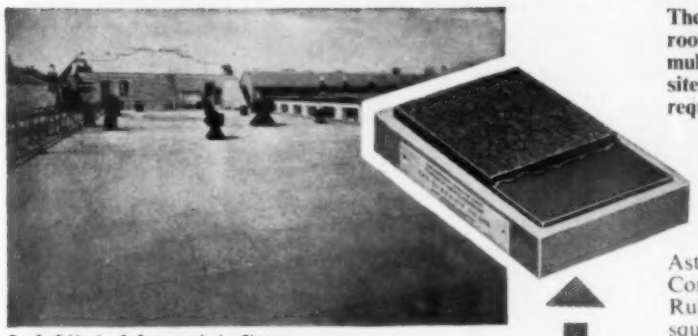
RUBEROID *Built-up* ROOFS



Roof of Marks & Spencer Ltd., Chester.
Architect : Norman Jones, Son & Rigby, Southport.

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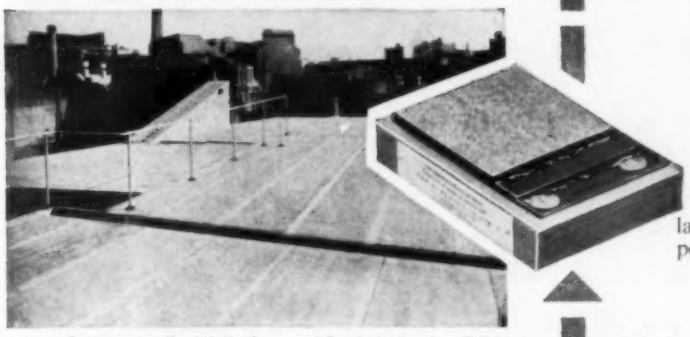

Joinery Department for W. R. Crow and Son Ltd., London, E.C.1.
Building Surveyor : C. G. Eaglen & Son.

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BUILT-UP ROOF MODELS

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R. 151

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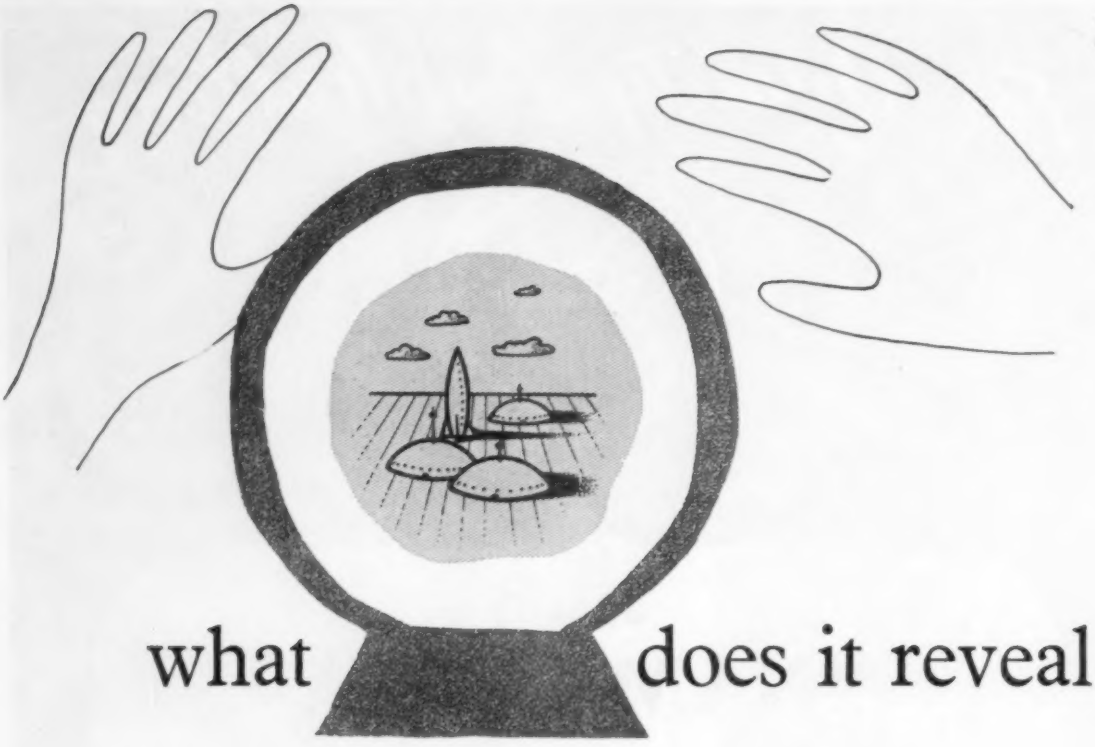

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The Finch Fuel Hopper

PROVISIONALLY PATENTED

self closing
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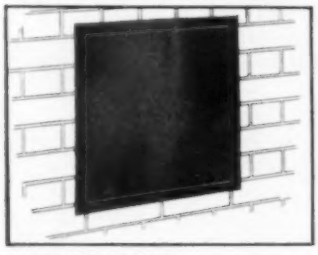
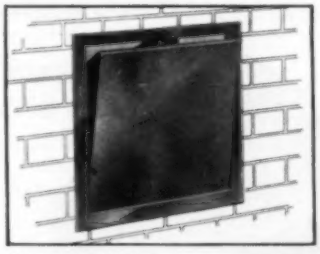
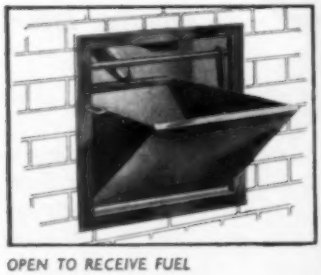
THE FINCH FUEL HOPPER IN OPERATION



CLOSED AND LOCKED



SET FOR OPENING BY COALMAN



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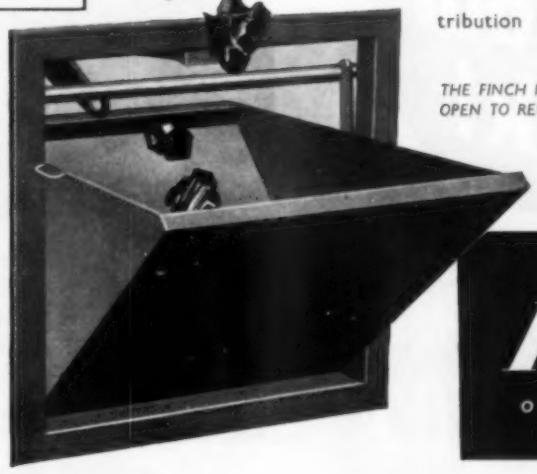
THE FINCH FUEL HOPPER OPEN TO RECEIVE FUEL



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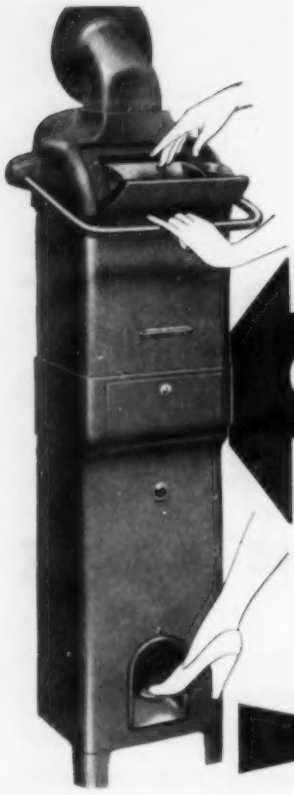

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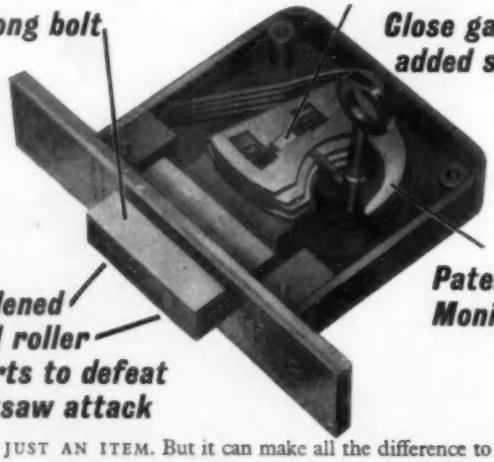
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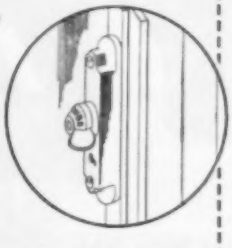

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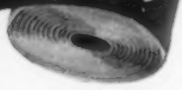

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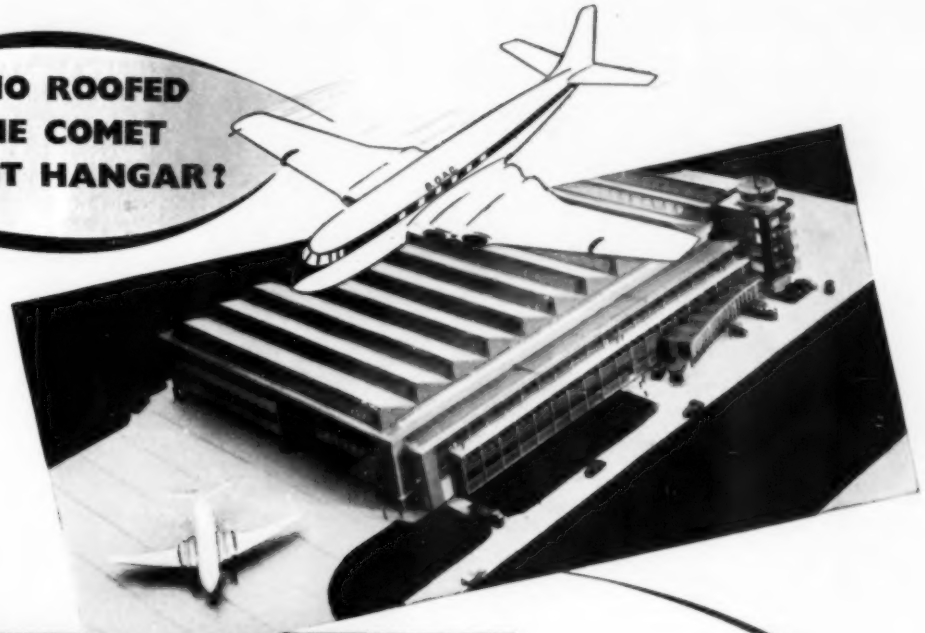

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Contractors:— S. & M. D. Engineers Ltd., Slough.
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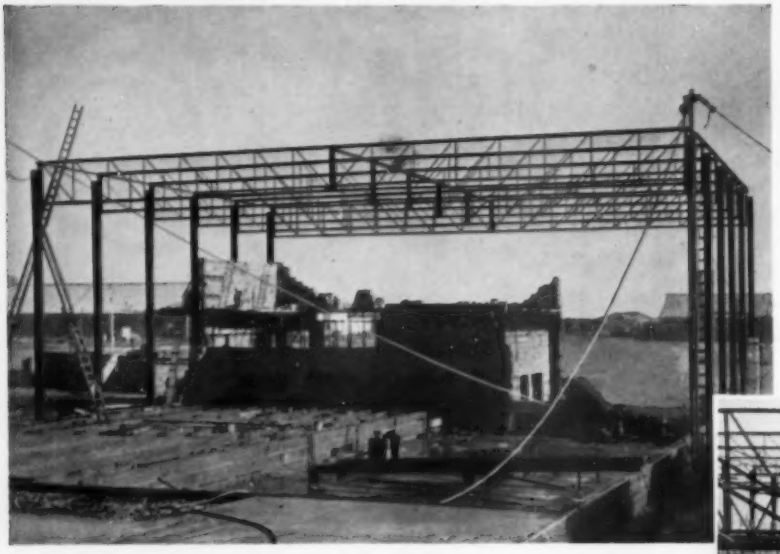

52 ft. lattice girders at a Portsmouth factory. Architects: Thomas Jolly & Grant. Contractors: John Hunt Ltd.

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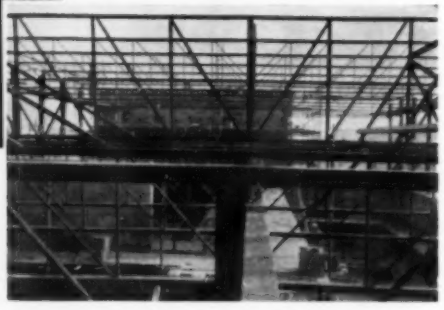

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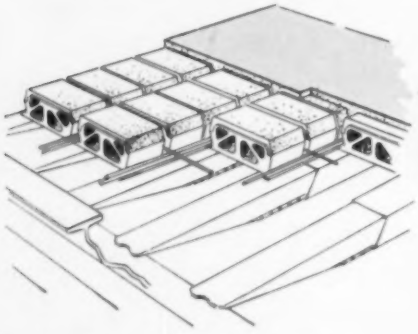

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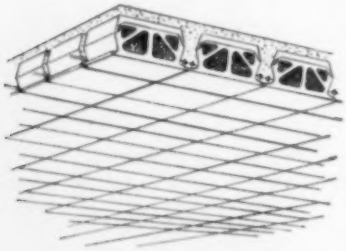

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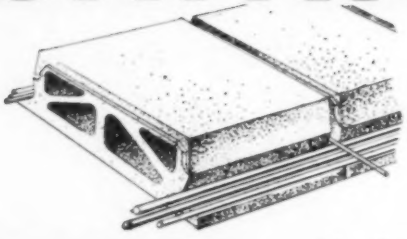

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Vol. 207 No. 4

THE ARCHITECT & BUILDING NEWS

27 January 1955

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PRIVATE PRACTITIONERS' PANELS

WE would draw readers' attention to a letter on another page from the Hon. Sec. of a newly formed panel of Practising Architects. This letter quotes a passage from the P.R.I.B.A.'s Inaugural Address in which Mr. Aslin commented on the change in the fortunes of the private architect. At the beginning of the century he was being given the greater part of all commissions. Today it was the reverse.

The letter argues that principals in private practice being in a minority *vis-à-vis* official architects and assistant architects, "it follows that the greater volume of considerations by the Institute and its Allied Societies would be towards the official and salaried architects. For some time this trend has been felt by privately practising principals within the Plymouth Branch of the Devon and Cornwall Society of Architects and, to enable such members to meet not only to discuss matters peculiar to themselves, but to pool information and generally promote a feeling of good fellowship between professional colleagues, they banded together within the local Society to form what is known as the Panel of Plymouth Practising Architects, reporting to the Council of the Allied Society, but having the power to act . . . it is felt by this Panel that any collective association of such members should most definitely be within the ranks of the Royal Institute, however, there does not appear to exist amongst the Institute's many gatherings a suitable committee as single-minded as the companion Salaried and Official Architects' Committee may be and, even if such does exist, inclined to be out of reach for the sole practitioner for any real practical value in view of the minority voice having to reach through the general ranks of members, particularly without any direct channel of approach through Allied Societies."

It is true enough that the private architect whose practice is not large will need to fight for his life to survive. The question is: will splinter groups with powers to act do more for him than the R.I.B.A. and its Allied Societies on which he is well represented and can make himself heard without being too conscious of his numerical strength?

Speaking at the A.A. a year ago, the Editor of the R.I.B.A. Journal said that as years had gone by he had become more and more conscious of the great body of architects who create the greater part of the architecture of this country, most of whom carry out unexciting, day-to-day jobs which never get illustrated in the *Architectural Review*. "It is for these people," said Mr. Bird, "that I consciously try to produce the R.I.B.A. Journal." He continued:

"The public look upon architecture and architects as a public service to provide them with buildings to live in, to teach in, to worship in, to be amused in. That is what they pay us for. If they could get these things without paying large fees they would." Here is the problem. How to give really competent services; and how to get adequately paid for them.

In a recent case brought by A.R.C.U.K., a client giving evidence cheerfully admitted that he set out to "pick two or three architects' brains. I was advised that it was the proper thing to do." People like him need to be disillusioned. Which body is best fitted to do it? There is no harm in professional men meeting to exchange information and to enjoy the sense of companionship and mutual support, but it will be a great pity if the Allied Societies and Headquarters lose thereby the equivalent in support and in the opportunity to speak for all. The move by Plymouth does draw attention to a general feeling that the R.I.B.A. is too Olympian and remote, although the nearer one gets to Portland Place the less one finds this view is justified. Let panels like the Plymouth Group and others assert themselves within their own Allied Societies; feed the R.I.B.A. and the Press with factual information on problems peculiar to private practice, and reap the benefit in co-ordinated action and propaganda from the Profession's Citadel. But power to act is more debatable and where would the funds come from?

EVENTS AND COMMENTS

NEW L.M.B.A. PRESIDENT

Annual general meetings are not usually very well attended. The A.G.M. of the London Master Builders' Association is preceded by a slap-up lunch and the ballroom at the Park Lane Hotel always looks full. It has become a tradition for the Minister of Works to be entertained on this occasion and to make a speech. The A.G.M. is held after the speech and I could not help noticing this year that a fairly large number of members had important engagements which forced them to leave with the Minister.

Mr. Nigel Birch, unlike his predecessor, had no bulging cornucopia of soon-to-be-fulfilled promises. He spoke to a room full of people with prosperity staring them in the face. In the circumstances he did very well, for he warned them of the danger of ever-increasing costs and asked them to set aside five minutes each day in which to think rather better of architects.

I think it was "William Hickey" who made some rude comments about women being put in their proper place in the gallery at this function. There are several lady members of the L.M.B.A. and at least one of them was present in the body of the room. Mr. Hickey is thus discovered to be unobservant as well as rude.

I am told that the retiring president of the L.M.B.A., Mr. R. S. Williams, has been a tremendous worker during his term and has more than upheld the dignity of this important office. In his final address Mr. Williams pointed out that prosperity was there for all on one condition, and that was that the whole industry—including the architectural profession—planned and worked for it. Hard and honest work, without inefficiency or dilatoriness, was required at all levels.

The new president, Mr. L. J. Holloway, bears a famous name in the building world. He looks, and is, very young, but he has been in the industry almost 25 years. He has been managing director of Holloway Bros. since 1949, and is on the Council of the N.F.B.T.E. Holloway Bros. was founded in 1882 by Mr. Holloway's grandfather and great-uncle. Its first really big job was the construction of the Royal Naval Barracks at Chatham in 1897.

THE CHAMPION

Some months ago I wrote of a delightfully re-Victorianized pub in Wells Street, north of Oxford Street. I really said my piece then and have little to add now that it has been officially opened. The dining-room on the first floor has been completed to match the ground floor but on a less lavish specification. Handsome dark green wallpaper, a dark ceiling with a white cornice and a floor of large-scale black-and-white check are set off with some handsome brass light fittings. The furniture is strictly Victorian of the plainer sort.

The architects, John and Sylvia Reid, are to be congratulated on the success of their scheme. The brewers, Messrs. Barclay Perkins & Co., will, I hope, be pleased with the result, and I hope that the managers, Messrs. Levy & Franks, will be, too. I would like to see some more pubs done in the same way. In spite of the fact

that Mr. and Mrs. Reid have now been architecturally beatified, have been stamped with the O.K. sign, and have had their personal tastes in music and furniture made public, in addition to being photographed from above, I hope that they will continue to be themselves, and good, unspoilt architects.

MODELS IN THE SHINIES

Is there not a case for the suppression of the shining woman's fashion magazine? Is anything more clearly calculated to bring out the worst in men and to turn even the moderately happy woman into a dissatisfied harridan?

Female fashions must, I suppose, be published, for we all like a change of shape—provided that it is in the right direction. But need these fashions be hung on, draped round, or used as moulds for impossibly beautiful young women? The fact that we all know that the dresses are pinned into position, and that the suits have at least one hair-brush thrust in the small of the back to remove the wrinkles has nothing to do with it, any more than that mouth-open grin, at once so repulsive and so inviting, which we know is switched on like a light when the camera calls for it. I suppose that we should be grateful that the eager grin has taken the place of the look of stagnant boredom which was so fashionable a year or so ago.

But that is not all. Not content with showing the woman in the clothes, these fiendish aggravators of our winter struggle for survival have to put their playthings against a background. In the old days it was Longchamp and Auteuil, and no one had cause for complaint, but things have changed. Having exhausted, as they think, the possibilities of London by using Trafalgar Square, the British Museum, the White Tower Restaurant and the R.I.B.A., the perpetrators of this easy art have gone abroad. Many views of the finest monuments of Paris have been partially obscured and completely spoiled by these grimacing misleaders of both sexes. Even that is not enough. The Mediterranean coast has been invaded. At this time of year one can see the point of this for the producers, but that is all the more infuriating. Posturing madames are seen in the slums of Mar-

seilles, in the back streets of La Turbie, in the citadel at Roquebrune and among the Pins, at Juan. One by one, the pleasant, the interesting and the most longed for places on earth are being desecrated by these merchants in their search for background. The very isles of Greece have now been violated. Civilization can go no lower.

U.I.A. JOURNAL

The fifth number of this rising journal dated December, 1954, has just been issued. It is the official journal of the International Union of Architects and is published in France, in English, French and Spanish. Fairly full reports of the meetings of the various commissions and committees of the U.I.A. are given in these three languages. This issue covers meetings held in Warsaw and has illustrated articles on new buildings there. The extraordinary work of reconstructing whole areas of old Warsaw exactly as it was before destruction is described and illustrated.

The Journal also gives preliminary details of the U.I.A. Congress to be held at The Hague from July 9-16. The U.I.A. Journal is issued six times a year at a cost of 2,000 francs. This makes it about 7s 6d a copy, which is rather expensive but understandable as it as yet carries few advertisements.

TEACHING POST IN RANGOON

On another page you will find an advertisement for a principal for the proposed school of architecture in Rangoon University. The proposed salary is £2,000 p.a. plus unspecified allowances for a three-year contract. The school is to be attached to the Faculty of Engineering and will be, one supposes, under the control of the professor or dean of that faculty. This is a pity. Messrs. Raglan Squire and Partners are interviewing applicants.

BUILDING FOR CHILDREN

A letter in the *Manchester Guardian* on the subject of children's bricks set me thinking about constructional games generally. Has any suitably qualified person ever been commissioned to design such a thing? I doubt it. I had some excellent plain modular bricks but these must have been made specially, for all the boxes of bricks in the shops were, and still are, only suitable for building the style of building which might be called "arched-balustrical." There have been attempts to produce "scientific" building toys, but since building is not truly a science but an empirical technology they have all failed through trying to be too exact and therefore too complicated. What is wanted is something which enables a frame to be erected with reasonably rigid joints. A system of curtain walling could then be attached to the frame. The various concrete, metal and timber cloches could also be supplied ready made to clip into position.

It should be possible to produce a toy of this kind quite cheaply and, who knows, it might help with recruiting for the industry.

THE MODULAR CATALOGUE

The Modular Society has issued the cover and first ten sheets of Volume I of the Modular Catalogue. The production is by the Standard Catalogue Company and the sheets are to British Standard size. The loose leaf cover has a well-designed binding device which conforms with Continental practice for filing this type of information.

The classification of sheets in the catalogue is in accordance with the Brisch system which uses one or more pairs of digits to describe an article or process. The sheets are also classified in accordance with the Universal Decimal Classification. Perhaps more important than either of these, space is left on the sheet for reference to the user's own classification system.

The first ten sheets deal mainly with framework, curtain walling, pre-cast slabs, dry partitions and suspended ceilings. They are clearly set out and illustrated, but for some unexplained reason are smaller than they need be for the size of paper. Whereas the B.S. sheet size is 11in × 8½in, the actual area used is only 9in × 7in. Even allowing for a binding margin this seems very wasteful and has the effect of making some of the diagrams and much of the print too small for comfort.

The catalogue is being published in serial form and sheets are issued free to members. It is hoped to complete the first volume of about 100 sheets this year. Manufacturers are allowed to reproduce their sheets as advertisements provided that they do not reduce the actual printed size of the original sheet. I suspect that this is the explanation of the 9in × 7in printing size.

The catalogue is based on the 4in module which has been adopted by the Modular Society as likely to endure.

This is certainly a good beginning and I shall look forward to the completion of Volume I.

THE PROVIDENT INSTITUTION OF BUILDERS' FOREMEN AND CLERKS OF WORKS

Architects are so notoriously bad at supporting their own charity that it may perhaps hardly be worth while to mention the annual appeal for the above Institution, which has been made this year by Mr. David Woodbine-Parish. Architects of goodwill will realize that there are many calls on the Institution's funds for permanent pensions, temporary assistance, aid to widows and so on.

We all lean heavily on our friends, the clerk of works and the general foreman; here is a very good way of showing our appreciation of their worth. Donations should be sent to Mr. W. Sutherst, 43, Maxwell Road, Welling, Kent. Cheques should be made payable to the Provident Institution of Builders' Foremen and Clerks of Works.

THE NEW FRUGALITY IN ARCHITECTURE

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* * *

I hope that the P.R.I.B.A. and Mrs. Aslin have now completely recovered from their frightening experience at Stoke-on-Trent by the time these lines are read.*

ABNER

** Mr. Aslin had handed out the prizes at the North Staffordshire Technical College and was spending the night in Stoke-on-Trent before going on to the Birmingham and Five Counties' A.A. Annual Dinner, when the gas from a fractured main in front of the hotel penetrated to their bedroom. In the morning Mr. and Mrs. Aslin were found unconscious and taken to hospital which they were able to leave the same day.*

Personalities at the L.M.B.A. Luncheon (See Abner) L—R: The Rt. Hon. Lionel Birch, Minister of Works; Mr. R. S. Williams, retiring President, L.M.B.A.; Mr. G. W. Grosvenor, President, N.F.B.T.E.; Mr. L. J. Holloway, new President, L.M.B.A.; Mr. D. Woodbine Parish, Hon. Treasurer, L.M.B.A.

NEWS OF THE WEEK

Birmingham and Five Counties A.A.

Proposing a toast to "The City of Birmingham" at the annual dinner of the Birmingham and Five Counties Architectural Association, in Birmingham, on January 21st, Mr. Stansfield T. Walker, President of the Association, said that architecturally the present generation should express itself in terms of how it felt. Should new buildings be timorous or bold?; should they be the kind of thing which could guarantee a modicum of approval, or should a chance sometimes be taken? "I suppose it does not matter so long as they are sincere," he said.

"What would be sad would be if our architecture became a hotch potch of clichés which, like any ill-founded fashion, would date. It remains to be seen, but my guess is that this vigorous city is in the mood to embark on a new architectural era in the spirit of the times, and will not be content to follow the City of London's lead with its prospective blocks of sham solidity.

"Unlike Coventry, who have seized their opportunity with such skill and enthusiasm, the development of our central area here is influenced by existing buildings. The bombs fell too many but too far between on Birmingham."

However, in Birmingham, scholarship would have to be tempered with ingenuity to blend with an uncertain heritage, particularly at a time when the form of building had been revolutionized by changing techniques, due in themselves mainly to the immense increased cost of material and skill.

Perhaps more scope for freedom existed along the lanes the City Engineer and Surveyor had planned to plough with the Inner Ring Road. "Where Sir Herbert has ploughed," Mr. Walker said, "we and the generation—or generations—to come shall sow, and it is to be hoped that we do not let him down with dull mediocrity to immortalize his vigorous conception."

Mr. Walker urged the awakening of an interest in local affairs in small outlying communities, giving new life to "these desolate acres."

Emphasizing the importance of the village hall in country districts, Mr. Walker said that a precious heritage would be lost if the natural and healthy inclination for a small community to entertain and govern itself were dissipated; this could happen easily.

Major G. B. Cox, a Past-President of the Association, responded to the toast to the Royal Institute in the absence, through illness, of Mr. C. H. Aslin, President of the R.I.B.A. He said that architects must not overlook the corporate life in their work. "The real strength of a city is not necessarily in its fine buildings." he said.

APPOINTMENT

Arthur Ling, A.R.I.B.A., A.M.T.P.I., Senior Planning Officer, London County Council, has been appointed City Architect and Planning Officer for Coventry in succession to Mr. D. E. E. Gibson.

CORRECTIONS

New Year Number

The following corrections refer to our Review of Building, 1954, which appeared in our issue of the 20th January.

On page 68, illustration No. 1 are private houses in the Reddings, Welwyn Garden City, builders George Davies & Sons (Broxbourne), Ltd. Illustration No. 4, housing for the Welwyn Garden City Development Corporation, builders W. J. Simms Sons & Cooke, Ltd. In both cases the architects were Paul Mauger & Partners. On page 69, illustration No. 7 is Woodlands (not Woodards) Ride Estate, Ascot. On page 72, the builders for Philip Court, illustration No. 2, were C. Pitt & Son, Ltd. On page 87, illustration No. 7 is the Gatton County Secondary School. Architects: Adamson, Gray & Adamson, in association with G. Gordon Stanham, for the County Architect of Surrey, John Harrison, A.R.I.B.A. The builders were Bernand & Pickett, Ltd. In Messrs. Truett & Steel's advertisement for the Royal Alexandra & Albert School, the architects were Adamson, Gray & Adamson.

The Architects responsible for the all-electric demonstration kitchen in Queen's House, Kingsway, which was illustrated on page 99 in last week's issue, were Messrs. John A. Strubbe and Partners, A/A.R.I.B.A., and the contractors were Messrs. Ashby and Horner.

COMING EVENTS

The Institution of Structural Engineers

January 31 at 6 p.m. Joint meeting with the junior section of the Birmingham and Five Counties Architectural Association. Talk on "The Use of Light Alloys in Structures," by H. V. Hill. At the James Watt Memorial Institute, Birmingham.

Royal Institute of British Architects

February 1 at 6 p.m. President's Address to Students. Criticism by Raymond C. Erith, F.R.I.B.A., of work submitted for Prizes and Studentships. Presentation of Prizes. At 66, Portland Place, W.1.

The Architectural Association

February 2. Dinner and Talk. Dinner at 7 p.m. Talk at 8 p.m. "Italy—an appreciation of post-war Architecture and Engineering development." Speakers, Bryan Westwood, Joseph Emberton and Felix Samuely. At 34, Bedford Square, W.C.1.

The Institute of Fuel

February 2 at 5.30 p.m. Adjourned Discussion on The Beaver Report. At Great George Street, S.W.1.

Royal Society of Arts

February 3 at 5.15 p.m. Sir George Birdwood Memorial Lecture (illustrated by Lantern Slides). "Chandigarh and Planning Development in India" by E. Maxwell Fry, C.B.E., B.Arch.F.R.I.B.A. and Jane B. Drew, F.R.I.B.A. At John Adam Street, Adelphi, W.C.2.

Town Planning Institute

February 4 at 6 p.m. Talk on "Redevelopment of Blighted Areas in Birmingham" (illustrated) by Sir Herbert Manzoni, C.B.E., M.I.C.E.(M.), at The Livingstone Hall, Broadway, Westminster, S.W.1.

Mr. Eric Seal, Deputy Secretary, Ministry of Works (a new K.B.E.); Mr. W. K. Laing, Junior Vice-President, L.M.B.A., and Sir Charles Mole, Director General, Ministry of Works.

CORRESPONDENCE

Panel of Plymouth Practising Architects

To the Editor of A. & B. N.

SIR,—In his Inaugural Address the President of the Royal Institute of British Architects, Mr. C. H. Aslin, C.B.E., suggested that, whereas at the beginning of the century by far the greater part of all commissions was undertaken by private architects, the position to-day is becoming reversed.

In view of the proportion of principal architects to assistants, it follows that those members actively practising in the private capacity of a principal are in the minority.

It follows in turn that the greater volume of considerations by the Institute and its allied Societies would be towards the official and salaried architects, and architectural assistants.

For some time this trend has been felt by privately practising principals within the Plymouth Branch of the Devon and Cornwall Society of Architects, and, to enable such members to meet not only to discuss matters peculiar to themselves, but to pool information and generally promote a feeling of good fellowship between professional colleagues, they banded together within the local Society to form what is known as the Panel of Plymouth Practising Architects, reporting to the Council of the Allied Society, but having power to act.

Recently an approach was made to this Panel by other similar members practising in the Midlands, expressing appreciation of our principles and suggesting some form of co-operation.

In this, however, it is felt by this Panel that any collective association of such members should most definitely be within the rank of the Royal Institute; however, there does not appear to exist amongst the Institute's many gatherings a suitable committee as single-minded as the companion Salaried and official Architects' Committee may be and, even if such does exist, inclined to be out of reach for the sole practitioner for any real practical value in view of the minority voice having to reach through the general ranks of members, particularly without any direct channel of approach through the Allied Societies.

This Panel, therefore, would like to get in touch with other similar bodies if in existence, or individual members, with views on this subject towards the furtherance of the interests of the privately practising principal Architect.

I am, Sir, yours, etc.,
W. ROSEVEARE, M.Inst.R.A.,
Honorary Secretary, Panel of Plymouth Practising Architects, Sherwell House, Tavistock Road, Plymouth.

Halsinborg Exhibition

To the Editor of A. & B. N.

Sir,—I was very interested to see that you have also added the influence of your journal in proposing the British participation in the Halsinborg Exhibition.

After reading Sir Kenneth Lee's letter in *The Times*, I wrote to the Exhibition's section of the Board of Trade and have received a reply which encourages me to believe that the matter is now being taken up at high level.

The word "Prestige" does, however, cause me some anxiety. I have had a considerable experience of all types of Exhibitions. In our experience a flat, stand or pavilion set out with what the C.O.I.D. consider is good, and undoubtedly, usually is good (no sour grapes here, our pianos have been chosen and our Associate Company, Geo. M. Hammer & Co., Ltd., have also supplied furniture for many exhibitions), does not compete successfully with a flat, stand or pavilion set out with more catholic taste. I admit the Press usually gives it excellent publicity but even prestige Exhibitions are designed to sell our goods. I would, therefore, urge that:—

1. We take a fair cross section of those goods and those manufacturers whose goods are known to SELL in Scandinavia and mix the more "farinaceous" products in with the new, well-designed products which may or may not sell.

2. That we make sure that our representatives know their products, prices and can talk sense about the market, for preference in Swedish; more than 50 per cent of our customers, and we are the largest exporters of pianos to Sweden, do not speak English. The Civil Service Representative, handing out leaflets when asked and obviously bored to tears, is worse than useless—co-operation should be sought from the Anglo-Swedish Chamber of Commerce in Sweden.

3. That if it is possible with this particular Flat, show fine examples of the British Motor, Motor Cycle and Cycle industries outside. As these products, and *live* music are the most crowd compelling attractions in Sweden.

I am, etc.,
DOUGLAS BRASTED.
(Director)
W. G. Eavestaff & Sons, Ltd.

Wedding Cake Architecture

To the Editor of A. & B. N.

Sir,—The Paramount Building in Times Square, in New York City, that you illustrated last week, is not such a bad looking building, as buildings go, even two decades or so later (having often lunched in the air-cooled Cafeteria, some years ago now). But what of the famous U.N. Secretariat, which is ridiculed by Lewis Mumford, as being most inappropriate for its purpose, and also Frank Lloyd Wright, "the tombstone of the U.N.!" (and others) although only recently erected. These glass-towers that are unlit in the central areas on the upper floors (as the elevators are dropped off), one of the snags of the U.N. building—these "New Towers" for "Old Towers" it seems!

In Russia they scrapped the then "modern style" about 1935 as being un-Russian, and unsuited to their climate, owing to heat loss and frost damage, etc. This Corbusier style did not "fit in" with their traditional style architecture, in their ancient cities and towns. Their "Wedding cake architecture" to-day may be expensive, with its towers and pinnacles, but it does "look" impressive—it impresses the masses there it seems, and also others here (the Philistines of course!), that is to say it did on TV the other evening —Moscow University building, in particular—a good setting too—in a large Park (*not* in a congested area).

I don't think we really have much to boast about with some of our post-war "modernistic style" schemes—rather grim-looking shopping centres (pre-war style), large blocks of flats, and now the proposed gigantic office blocks for the city and elsewhere with tall glass-towers!—"Plus ç'â change—c'est plus la même chose!"

I am, etc.,
A. NEVILLE HOLT.

LAW REPORT

Frederich Seeligsohn, Little Court, Chartridge Grange Drive, Chartridge, Bucks, was at Chesham on January 19 fined 20s and ordered to pay 30s costs for practising and carrying on business as an architect when unregistered, allegations which he denied.

He agreed that he had prepared drawings of a house for his doctor—which were rejected—and that apart from planning his own bungalow he had drawn plans for one other place for which he received a fee. He denied, however, that he practised as an architect or carried on business as such, relying for his livelihood on a woodworking undertaking at Chesham. He was registered as an architect in Germany but not in England.

Mr. W. R. Newman prosecuted for the Architects' Registration Council, and Mr. Edward Moeran defended.

Seeligsohn was a patient of a Dr. Vazifdar who had in mind having a house built which he mentioned, and his patient told him "I am an architect, perhaps I can help you." Later the doctor asked Seeligsohn if he would prepare a sketch, which subsequently proved unsuitable and was rejected.

The next stage was the receipt of a letter written by Seeligsohn, not on headed paper but typed with the word "architect" under the writer's name, and an indication that the fee was "guineas twenty-five."

The doctor consulted Mr. Newman and realizing that Seeligsohn had been to a certain amount of trouble sent him a cheque for £5. He consulted also other architects. This resulted in a further letter from Seeligsohn saying that he was "entitled to charge" and "I cannot reduce my fee of guineas twenty-five for a tip." The doctor thereupon took up the matter with the A.R.C.U.K.

The doctor, in evidence, told the Court "at no time did I commission him; I wanted to pick two or three architects' brains really."

Cross-examined, the doctor said he knew Seeligsohn as an architect only from his own lips and he agreed that the man had told him he had qualified in Germany, but he did not recall the man telling him he was not registered in England. He did not tell him he wanted to dispense with his services and he did not think it unprofessional to consult two or three architects. "I was advised that that was the proper thing to do," he said.

After calling formal evidence from the Registrar of the Architects' Registration Council the prosecution closed the case and Seeligsohn said he was asked by the doctor to prepare plans which he did and he made his position quite clear to the doctor. Apart from that instance and one other (as well as preparing plans for his own bungalow) he had not worked or practised as an architect in this country.

Answering Mr. Newman he agreed that the word "architect" appeared on the letters and the plans.

L.M.B.A. Officers and Council, 1955

At the Annual General Meeting of the London Master Builders' Association on January 18, Mr. L. J. Holloway was elected President; Messrs. K. C. F. Foster, W. K. Laing and Stanley Farrow were elected vice-presidents; and D. E. Woodbine Parish was re-elected honorary treasurer.

The following were elected to the Council: Messrs. P. H. Bates (Thos. Bates & Sons, Ltd.), L. F. Chamberlain (Chamberlain Industries, Ltd.), E. J. Cook (Richard Costain, Ltd.), Lt.-Col. W. W. Dove (Dove Bros., Ltd.), G. Harris (Walker (Tooting), Ltd.), R. S. Lovatt (Wilson Lovatt & Sons, Ltd.), S. W. Marshall Andrew (Marshall Andrew & Co., Ltd.), J. L. M. Miller (P. Miller & Sons, Ltd.), B. L. Morgan (W. Loweth & Sons, Ltd.), P. Fotheringham Parker (Patman & Fotheringham, Ltd.), N. J. D. Pedlingham (S. T. Pedlingham & Co.), D. C. C. Roberts (C. P. Roberts & Co., Ltd.), E. Smith (Rawlings Bros., Ltd.), P. E. Trench (Boris, Ltd.).

M.S.A. Prize Winners

The following is a list of the prize winners for the Student Competitions organized by the Manchester Society of Architects for the session 1953/54: *The M.S.A. Medal for Architectural Design, Medal and Prize of* £30.—K. A. Featherstone (Regional College of Art, Manchester). *The Bradshaw Gass Prize for Measured Drawings,* £8 8s.—P. J. Aldington (Manchester University). *The Arthur J. Hope Prize for Architectural Research,* £5 5s.—D. K. Entwistle (Regional College of Art, Manchester). *The Beaumont Sketching Prize,* £3 3s.—Ronald Dean (Regional College of Art, Manchester). *The Fairhurst Sketching Prize,* £3 3s.—John M. Whalley. *The Essay Prize (President's Prize),* £5 5s.—G. L. Worsley (Manchester University). *The Oldham Society's Prize for Constructional Drawings,* £5 5s.—A. Spencer (Regional College of Art, Manchester). *Special Second Prize for Measured Drawings.*—F. Williams (Manchester University).

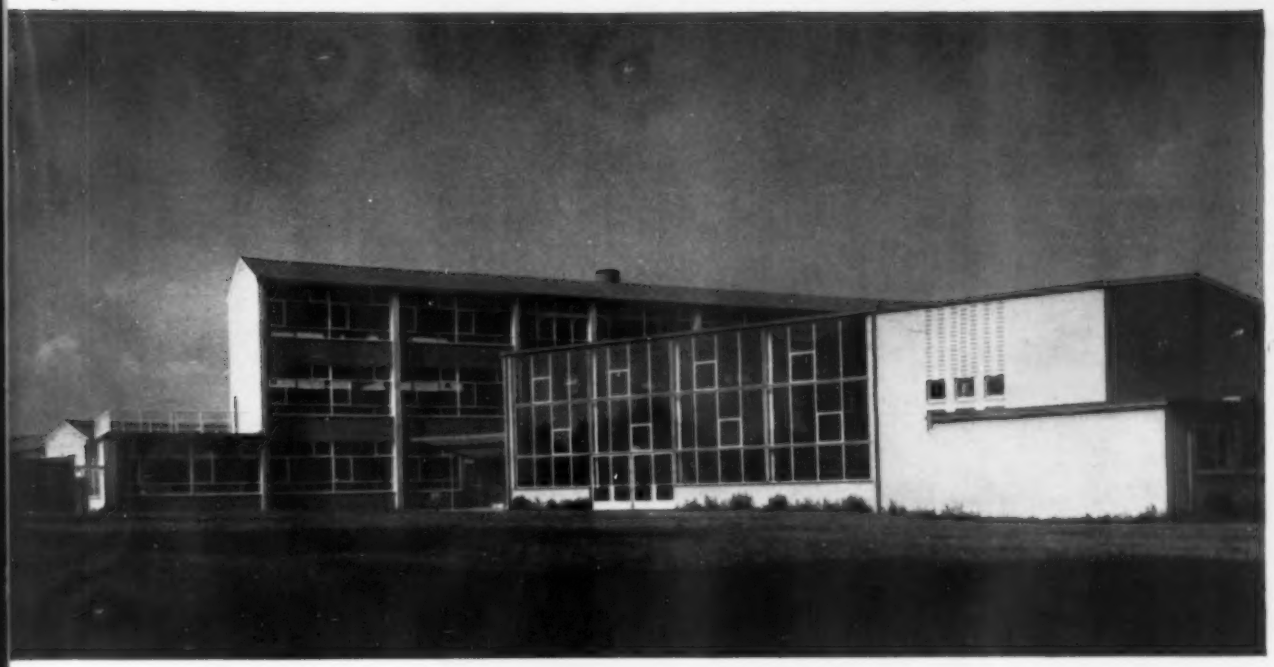
ANNOUNCEMENT

Raglan Squire & Partners, Architects and Consulting Engineers, have opened an office in Baghdad. Their address is Selim Building (New Spinneys), El Rashid Street, Baghdad, Iraq, where they will be pleased to receive trade catalogues, etc.

The firm's Rangoon office has now been transferred to 343, Prome Road, Rangoon, Burma (P.O. Box No. 1256).

Mr. Raglan Squire leaves early in February for Rangoon, Dacca and Baghdad, and will return in April. Mr. Bye and Mr. Johnson also leave shortly for visits to Rangoon and Baghdad respectively.

The new cocktail bar at the Grosvenor House Hotel, Park Lane, designed by Professor R. D. Russell, R.D.I., F.S.I.A., was opened on January 18 by Mr. Jack Hulbert.
Features of the design include air-conditioning, telephone sockets for private calls in the bar, duplicated bar equipment so that each barman can work undisturbed by the other, and refrigerated cupboards in the back of the bar. The woods, Brazilian Rosewood and Aspen, have been protected by a sealer resistant to heat and alcohol. The furniture is covered with red continental hide, black hide is used for the tops of the bar stools and the oval tables. The hides have also been protected by a sealer against spilt spirit. Stools and tables were made by Ernest Joyce, the contractors were Holland & Hannen and Cubitts Ltd.



HARROWFIELD SECONDARY BOYS SCHOOL, ESSEX

architects: RICHARD SHEPPARD & PARTNERS

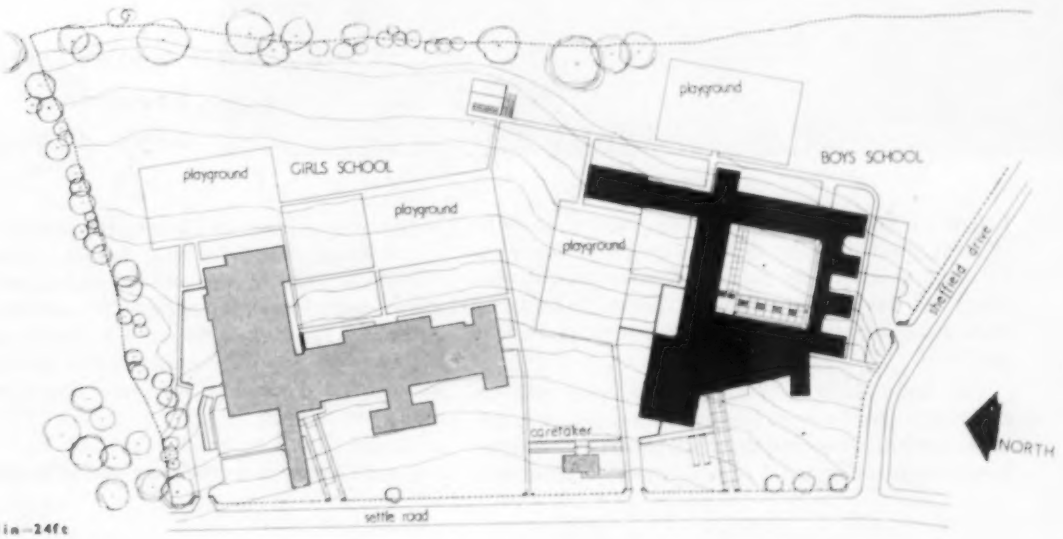
H. CONOLLY, F.R.I.B.A., County Architect

THIS school was part of the 1950-51 school building programme and was built to accommodate 680 children from the London County Council post-war housing estate on Harold Hill near Romford, Essex. It is also used as an evening college and the assembly hall is licensed for public performances.

The site falls from west to east and the layout of the school was arranged about a central courtyard to take advantage of the falls in the ground. All classrooms face either south, or east and west, and craft rooms, science laboratories and workshops are lighted from both sides. Staircase access is used in the 2 and 3 storey classroom blocks but a linking corridor at first floor level avoids a good deal of unnecessary stair climbing. The unfashionable fan shaped assembly hall is found to be very satisfactory acoustically, and to accommodate a large audience within comfortable distance of the stage for children's voices to carry.

Construction

Except for the gymnasium and assembly hall, which are steel framed, the building is constructed on a series of brick piers or cross walls at 21ft 0in centres, with



BLOCK PLAN

SCALE: 1in–24ft

Main entrance and canopy alongside assembly Hall

Inner Court, looking towards classroom block and long staircase window

Harrowfield Secondary Boys School

hollow tile floors spanning on to the walls or on to reinforced concrete beams between the piers. Owing to the steel shortage, the roof construction of the two-storey and three-storey blocks was changed to hardwood trussed purlins carrying common rafters at 2ft 0in centres.

The facing bricks used for piers and end walls are flint bricks, pale straw in colour, with reddish or purple brown brick non-load-bearing panels unders the windows. It was originally intended to use precast concrete slabs to emphasize the non-load-bearing character of the panels. It was found that brick was cheaper, probably more durable, easier to fix and probably quicker, and the slight extra weight made no appreciable difference to the structure. The boiler-house stack is circular and is built in slate-grey bricks. The Assembly Hall and Gymnasium are constructed of welded steel portal frames with wood-wool covering slabs.

Finishes

Quarter sawn beech blocks are laid in practical rooms

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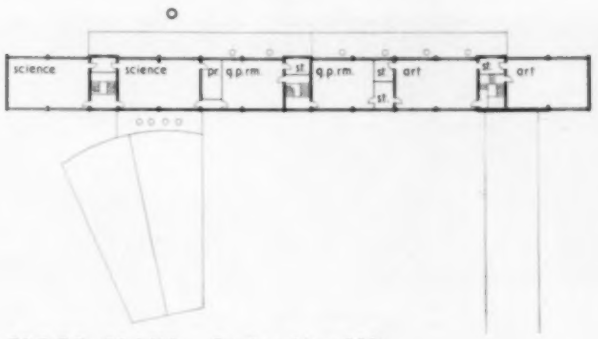
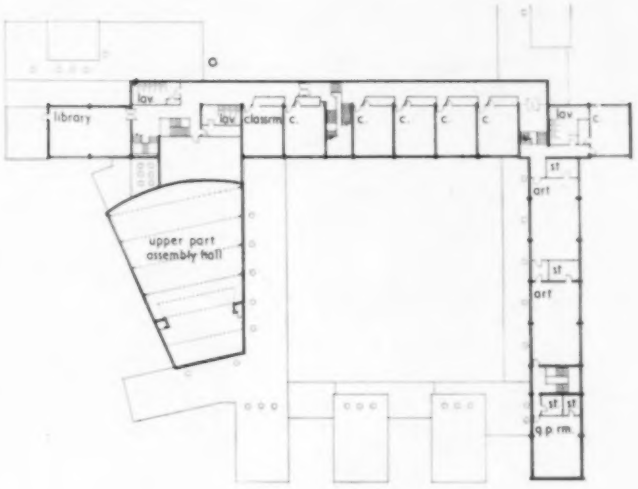
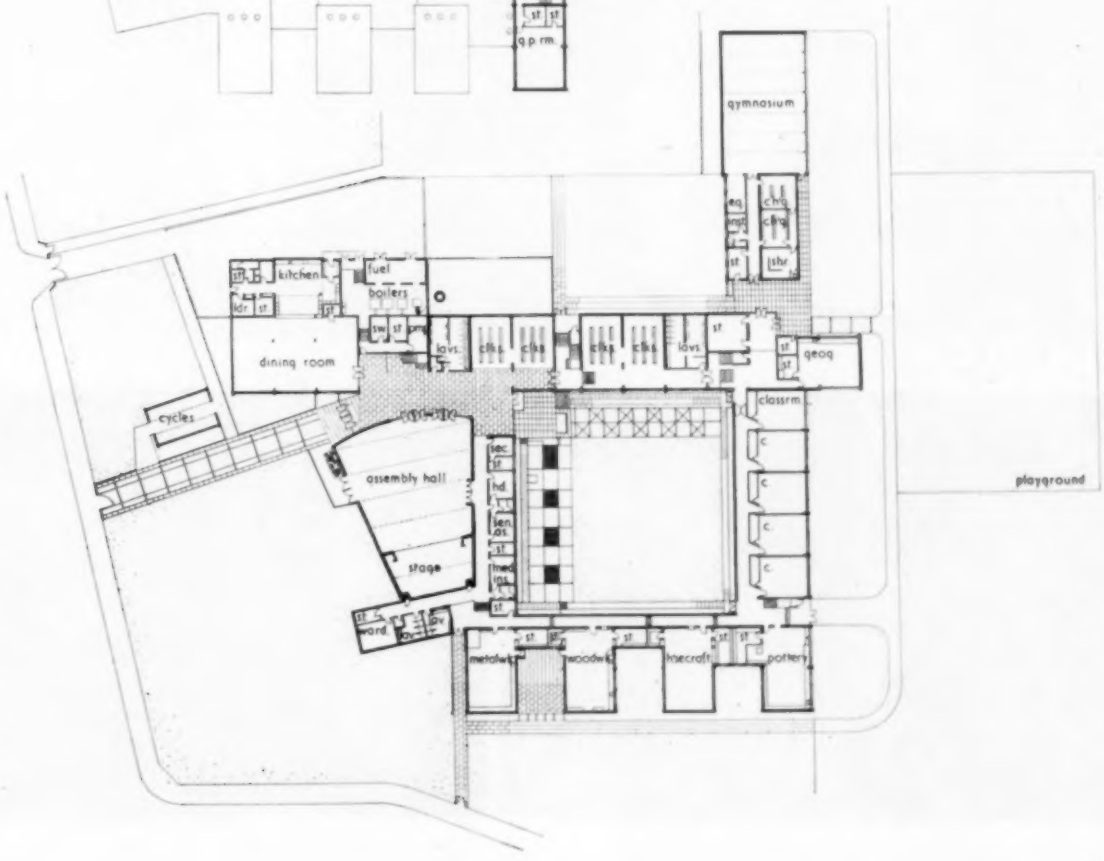




FLOOR PLANS. Scale: 1in—80ft


gymnasium
eq
ch
c'rm
st
shr
kitchen
fuel
boilers
dining room
lavs.
clks
clks
clks
clks
lavs.
st
geog
classrm
cycles
assembly hall
stage
c.
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playground
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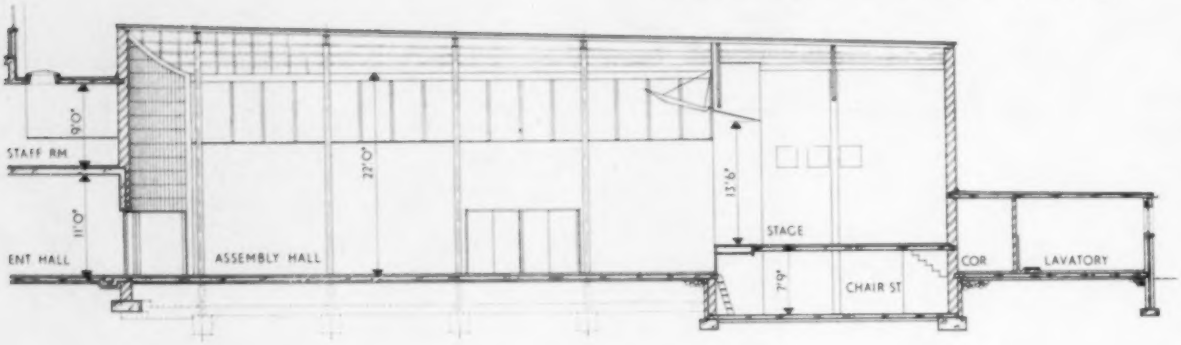
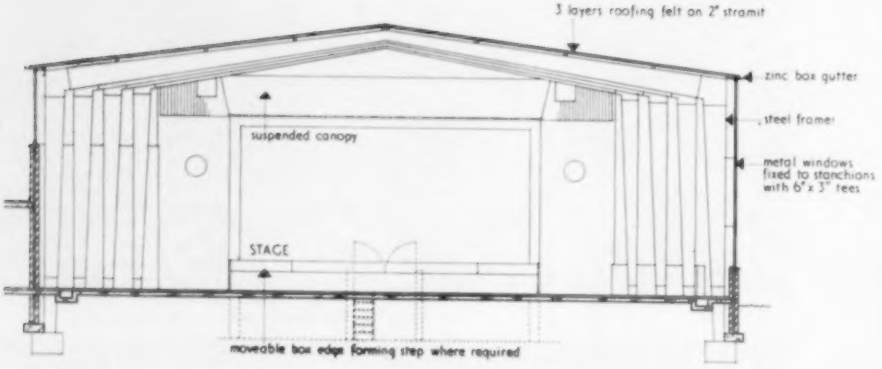
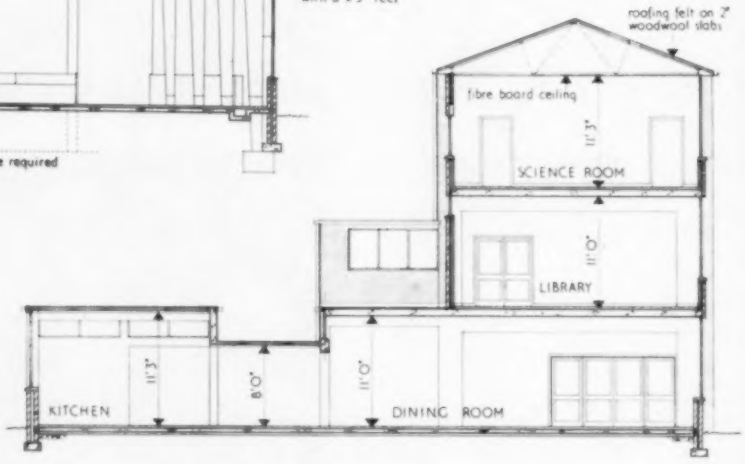



3 layers roofing felt on 2" stramit
zinc box gutter
steel frame
metal windows fixed to stanchions with 6" x 3" tees
suspended canopy
STAGE
moveable box edge forming step where required

Sections through classrooms and Assembly Hall

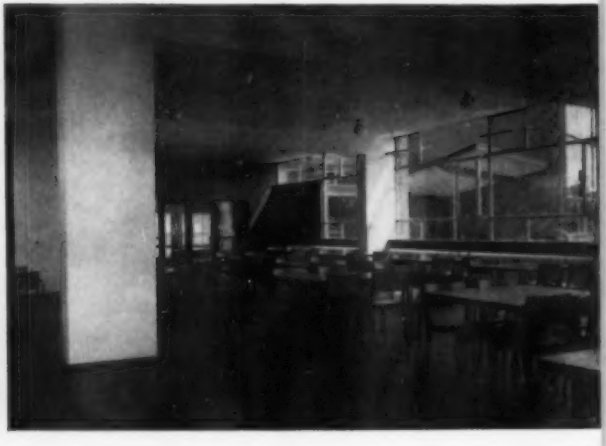


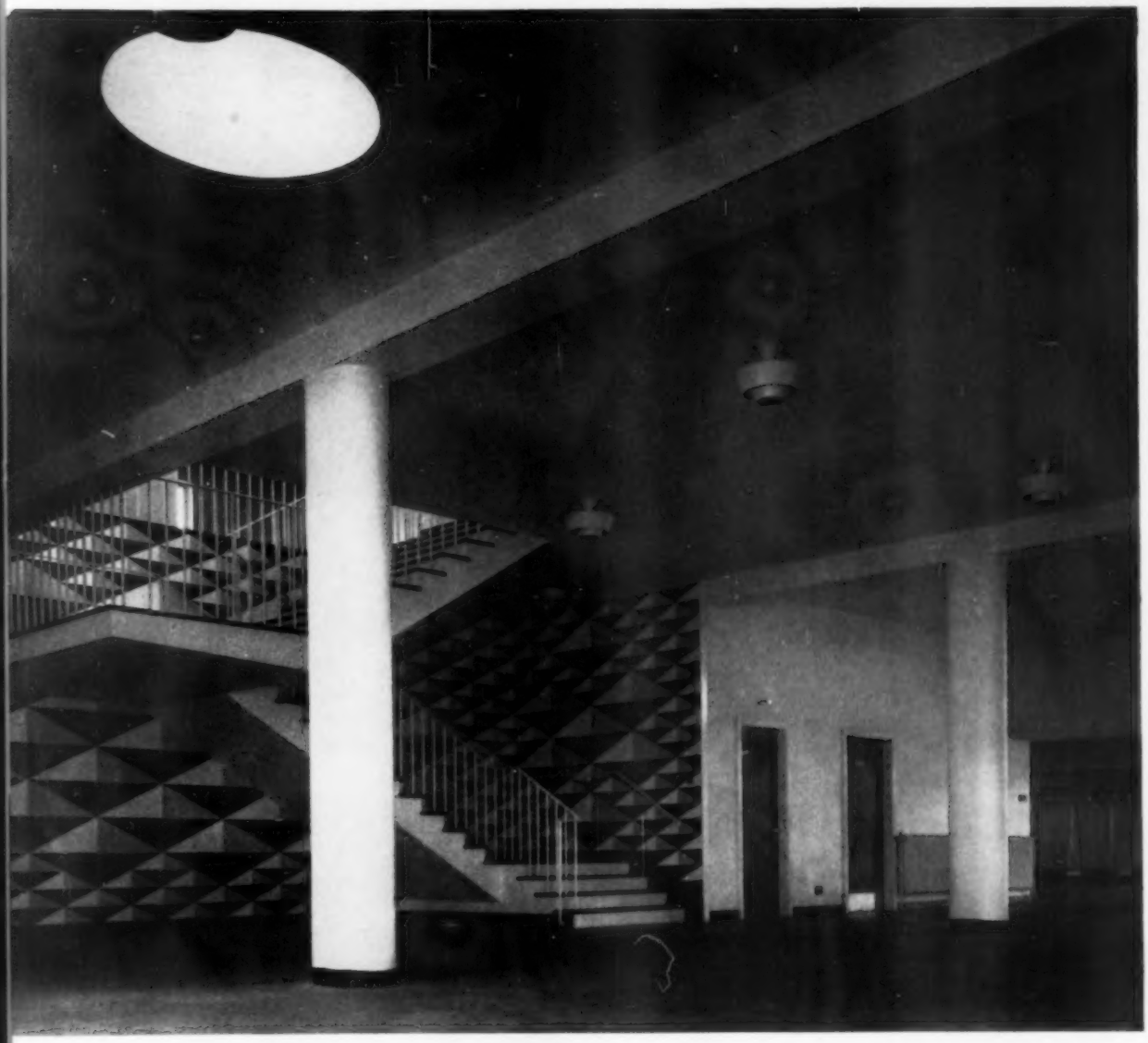
Scale: 1in = 16ft

Harrowfield Secondary Boys School

classroom

dining room





Entrance Hall and Main Staircase

Continued from page 110

and corridors, and Muhuhu blocks in the assembly hall. The gymnasium is in Loliondo strip and the stage in Muhuhu strip. Classroom floors are in Accotile and staff rooms in cork tile.

Walls are plastered throughout and painted mostly with emulsion paints from the Archrome range of colours. In the dining hall and workshops, the ceilings are finished with acoustic tiles, which have also been used on the curved end wall of the Assembly Hall.

The decorative tiled panel behind the main staircase is made up of an arrangement of plain and two-colour tiles, forming a design in green, yellow, red and white. The risers to the staircase are in white glazed tiles, and the treads in hardwood.

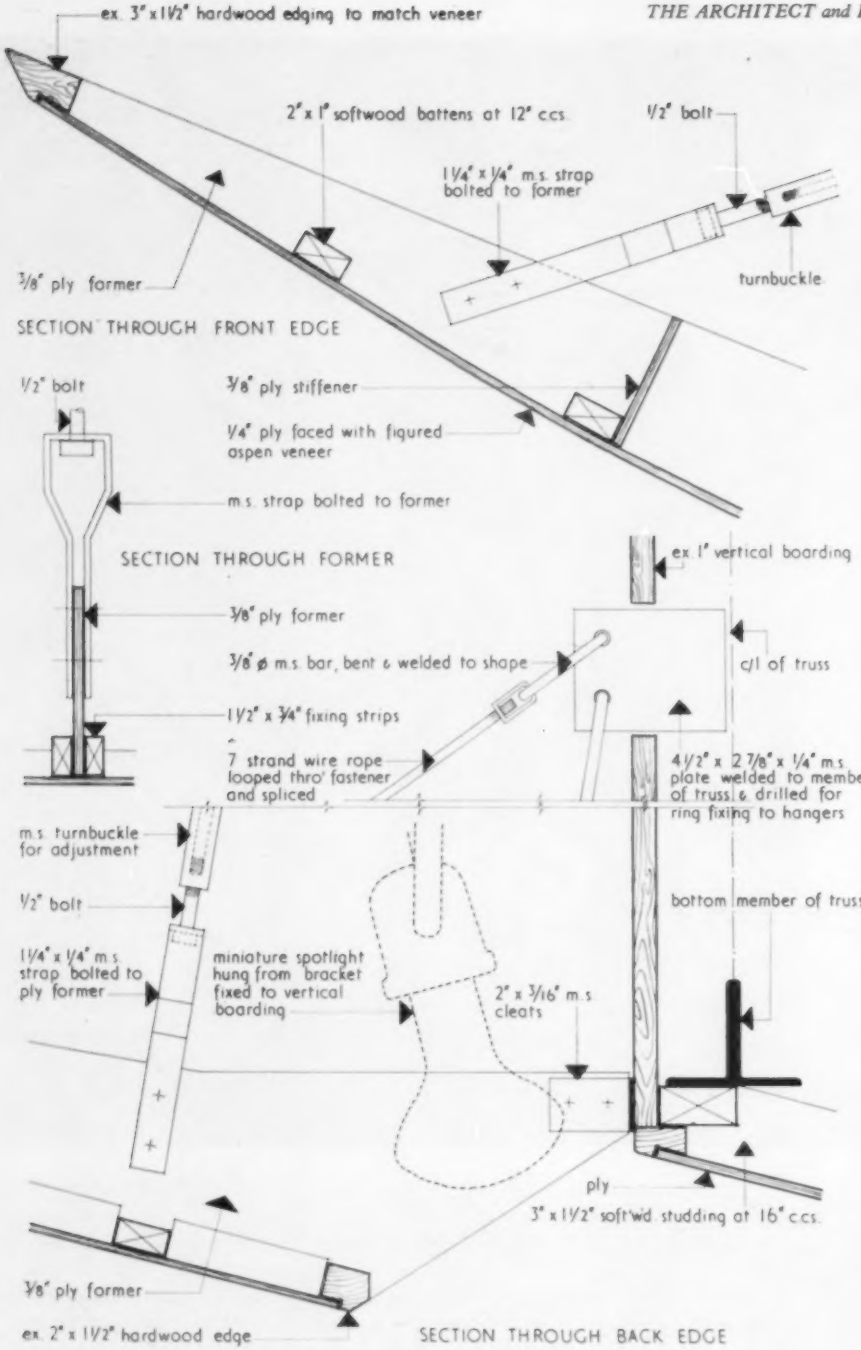
Timber screens and external doors are in West African Mahogany, clear varnished.

Services

The building is heated by low pressure hot water, principally by radiators with convectors in some practical rooms. Mechanical services include forced extracts for assembly hall and kitchen, metalwork forges and fume cupboards and a gas-fired pottery kiln. Electrical services include a fully equipped stage switchboard.

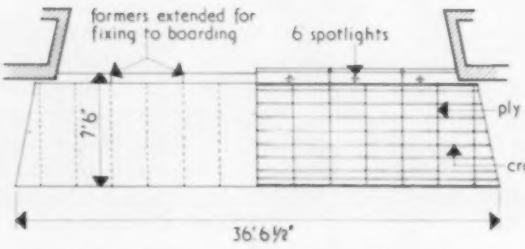
Cost

The net cost of this school was less than £220 per place on contract price in September, 1951. This represents just over 52/- a square foot of floor space. A similar school on a nearby site in the same form of construction for which tenders were obtained a year later in July, 1952 came to about 53/6 a square foot and almost exactly the same cost per place, confirming the economy of this form of construction.

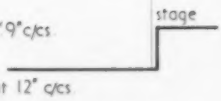

ex. 3" x 1½" hardwood edging to match veneer
2" x 1" softwood battens at 12" c.c.s.
½" bolt
1¼" x ¼" m.s. strap bolted to former
turnbuckle
⅜" ply former
SECTION THROUGH FRONT EDGE
½" bolt
⅜" ply stiffener
¼" ply faced with figured aspen veneer
m.s. strap bolted to former
SECTION THROUGH FORMER
ex. 1" vertical boarding
⅜" ply former
⅜" ø m.s. bar, bent & welded to shape
c/l of truss
1½" x ¾" fixing strips
7 strand wire rope looped thro' fastener and spliced
4½" x 2 7/8" x ¼" m.s. plate welded to member of truss & drilled for ring fixing to hangers
m.s. turnbuckle for adjustment
½" bolt
bottom member of truss
1¼" x ¼" m.s. strap bolted to ply former
miniature spotlight hung from bracket fixed to vertical boarding
2" x 3/16" m.s. cleats
ply
3" x 1½" soft'wd studding at 16" c.c.s.
⅜" ply former
ex. 2" x 1½" hardwood edge
SECTION THROUGH BACK EDGE

Harrowfield Secondary Boys School

Canopy, Assembly Hall.
Scale: 1in = 6in

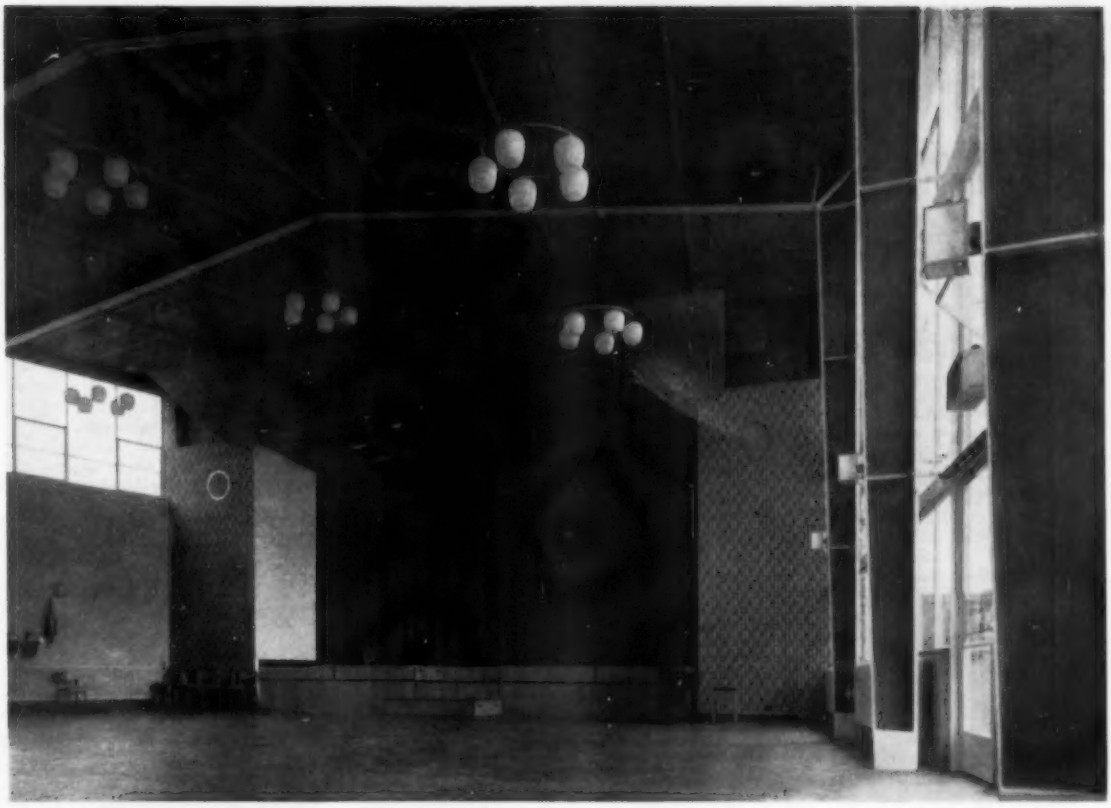


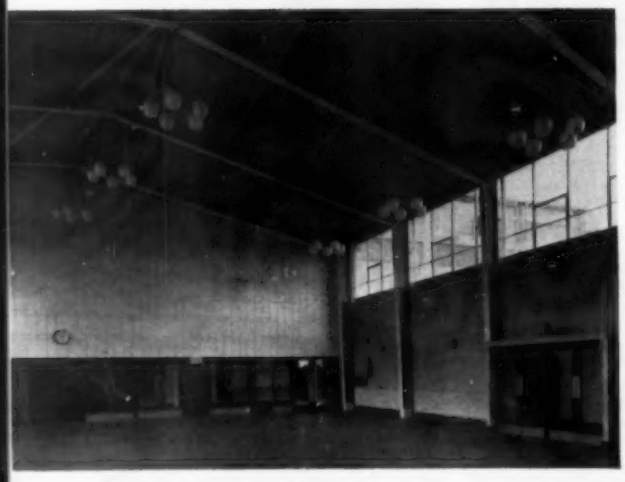
PLAN LOOKING UP, SHOWING CONSTRUCTION

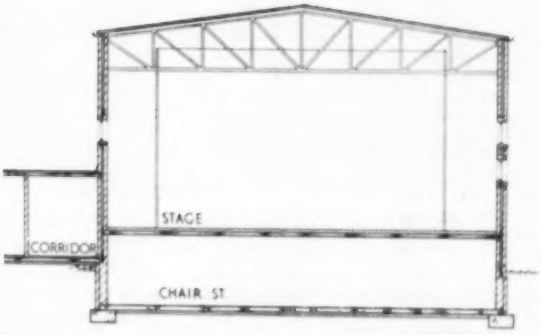


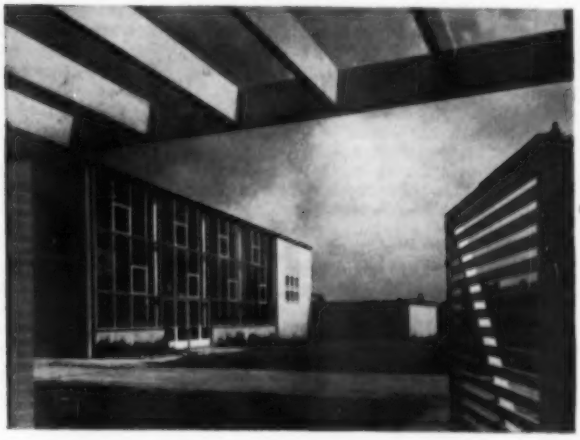
KEY SECTION

Plan and Section of Canopy.
Scale: 1in = 12ft









Two interior views of the Assembly Hall and a view of the south-west elevation. The section through the stage is to a scale of 1in = 16ft

BOOK REVIEW

The Life of Walter Gropius

Walter Gropius, Work and Teamwork. By S. Giedion. Architectural Press. 42s.

IT is a comment on Walter Gropius himself that this book forms a guide to modern architecture. Through the isolation of one figure Dr. Giedion has achieved a remarkable clarification of the whole period fully matching the importance of "Space, Time and Architecture."

Gropius' work emerges as a continuous development related to architecture and to life. The importance of methods of collaboration and synthesis which Gropius has constantly maintained lies in the fact that to-day we are concerned "not so much with creating 'beautiful architecture' but in providing for a new way of life." During Walter Gropius' career he has repeatedly attacked this problem. The large number of influential but unbuilt projects show the uncompromising way in which he has done this.

Men of this sort are rare. "Always taking the long view, always putting one's faith in the positive values of life and never succumbing to its negative aspects . . .", writes Le Corbusier about Gropius in a brief contribution.

Gropius seems to have been especially aware of and responsive to the current trends of the times. They constantly enter into his solutions and either impose limitations or promote growth.

When Gropius left the Bauhaus in 1928 he undertook an important series of housing studies in which he attempted to rationalize the problem of "the tall apartment house amid greenery as a future form of city life." His human interest and the desire to bring design into everyday experience concentrated his attention on a community room which was included in each slab block.

In the atmosphere of a later period it was possible for this concept to enlarge itself. The framework could be the whole city and not merely a slab block, the community room could become human areas in the city functioning like "hearts."

Perhaps Gropius is so critical of what he calls the "prima-donna" approach because it implies a position of isolation. The essential fusion of widely felt trends and planned solutions cannot occur.

His Total Theatre of 1927 was a project which could not develop. This is a beautifully worked out scheme. As a means of attaining audience participation the whole theatre moves and changes its form at the demand of the producer. But it found no response in the theatre.

Gropius' early activity is especially interesting for the light it throws on the Arts and Crafts Movement and the development of the German Werkbund.

The Werkbund was formed in 1907 to co-ordinate the activities of reform groups involved in the German Arts and Crafts Movement. Its great achievements were three important exhibitions. There were the Werkbund Exhibition, Cologne, 1914; the Weissenhof Housing Project, Stuttgart, 1927 (directed by Mies Van der Rohe); and the Paris Exhibition, 1930 (directed by Gropius).

Its development from an arts and crafts origin into the official body which sponsored the last two significant events is very interesting.

The situation at the beginning of the century is not clear because there were two streams of thought active at the same time, one represented by the generation of Peter Behrens and Henry van de Velde, the Great Belgian architect who worked from 1897 to 1914 in Germany, the other by Gropius' generation.

Henry van de Velde founded the Weimar School of Arts and Crafts in 1902 and Behrens became art director of the General Electric Company of Berlin in 1907, with Gropius working in his office.

Gropius' Fagus Factory of 1911 broke completely away from the work of these two men and when photographs of it were published in the Werkbund Yearbook of 1913, as Giedion says, it is barely recognizable, because of the method of presentation.

The views are selected in such a way that the building reveals its masonry walls and not the glass ones.

The Fagus Factory clearly isolates the use of steel and glass from the use of solid masonry as a method of construction. Even Behrens' important Hall of Turbines mixes glass walls with monumental masonry. Gropius' factory was a simple steel frame structure.

This first large building shows that Gropius was fundamentally in opposition to the Arts and Crafts Movement. This movement ended with the war, and the 1914 Werkbund Exhibition contained its last echoes. It also contained a model factory designed by Gropius which in many ways heralded the future.

It is worth while noting that immediately after the Fagus Factory was built Gropius spent two years working on projects and also on writings on a theme later to be incorporated by Le Corbusier in his book "Towards a New Architecture" in 1923. The Werkbund Yearbooks of 1913 and 1914 presented splendid illustrations collected by Gropius of grain silos and factories in Canada and the United States and also examples of design from the field of transport revealing qualities of pure form.

Gropius' factory pavilion for the 1914 Exhibition drew many ideas together and ends a period of his development.

The scheme included an administration building with roof terrace, rooftop restaurant with dance floors, a courtyard, a garage and a workshed. Instead of using a solid masonry envelope for the administration building Gropius ran a transparent sheet of steel and glass around it, continuous through corners and terminating in two spiral staircases. Its immediate effect was one of shock but it also aroused the greatest architectural excitement.

Giedion feels that Gropius' interest in transparency and lightness was a very strong driving force, so much so that the impact of Frank Lloyd Wright whose work was introduced to Germany at this time did not influence Gropius as much as it did others.

This is a difficult point to make. While it could be agreed that the substitution of glass for masonry has nothing to do with Wright, the moulding of space—which was surely the message of Ernst Wasmuth's portfolio of Wright's work—is deeply embedded in the modern movement and Gropius is very concerned with this.

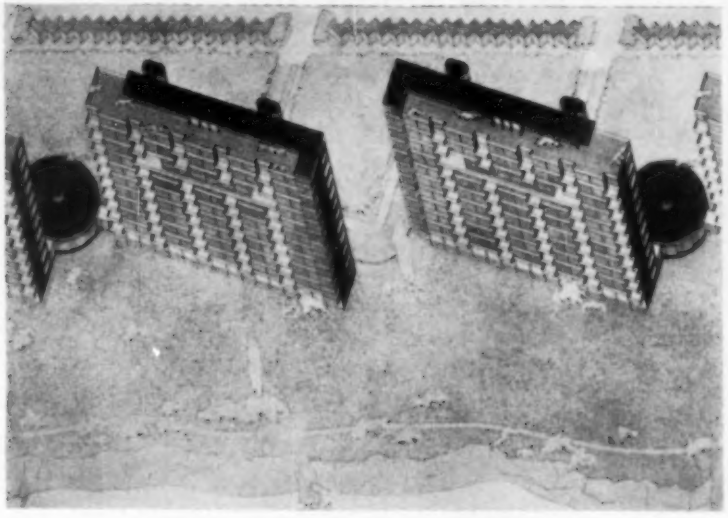
The first world war claimed Gropius for the next four years and in 1919 it was Henry van de Velde who recommended him as his successor at the Weimar School of Arts and Crafts. Gropius was able to merge this school with the Weimar Academy of Fine Arts and to create a new State School of Building—the Bauhaus.

Bauhaus buildings, Dessau, 1926. Workshop wing, north-west corner

It is hard to visualize the grounds for Gropius' conviction that it would be possible to turn this into an instrument for the linking of art with industry in an entirely new way. He was certainly given complete freedom. Without this it would have been impossible to take on to the staff of a state institution artists whose ideas were widely detested.

From the beginning life in the Bauhaus was a struggle for existence and the atmosphere incessantly explosive. Gropius had to force his way against violent opposition from outside, ridicule, and internal tensions. There was the continual problem of very low funds.

But in spite of this there were many great achievements. The sum of these provided a new basis of first principles



Slab Apartment Blocks at Wannsee Shore, Berlin, 1931.

and suggested many directions in which they could be followed up.

The Bauhaus idea had to be made accessible to the everyday world and many important exhibitions were built out of its experience. The first of these, the Bauhaus Week in 1923, was an attempt by the school to justify itself and to reach criticism and support on a world-wide basis.

It was exceedingly successful, but not until the Paris Exhibition of 1930, in which Gropius directed the German Exhibit for the Werkbund, was it made quite clear that for 10 years the opposition to the Bauhaus had been a mistaken German prerogative. International opinion in Paris was enthusiastically favourable.

There was, surprisingly, no direct reference to architecture in the Bauhaus curriculum. In the first Bauhaus manifesto in 1919, Gropius had written: "The final product of all artistic endeavour is the building. . . . Architects, painters and sculptors must again come together and study the many sided nature of the building."

It was in the midst of the Bauhaus experience that Gropius achieved his most outstanding work, the Bauhaus buildings at Dessau.

The programme was involved and the result a complete and concentrated social group revealing a most advanced organization of space through the relationship of lines and planes. A glass wall more developed than that of the Fagus Factory or the Cologne pavilion exerts a powerful plastic influence on the whole complex.

Gropius resigned from the Bauhaus in 1928 under the impression that the attacks from outside had become personal. It was still possible for him to do work of importance in Germany before the change of régime in 1933.

Between 1928 and 1931 Gropius developed a new building type, the high rise slab. It was an attack against the airless, sunless city structure of the late 19th century where building along streets wherever they occurred had choked the living space. To be effective the slab was to be eight to twelve storeys high.

Germany did not build any slab blocks. The first one appeared in Rotterdam in 1933. Then in 1936 Tecton built the Highpoint flats at Highgate.

Much later, after Gropius' stay in England from 1934 to 1937 and his establishment in America, he made a second attack on the chaos of the metropolis.

The slab block was to have been repeated many times, linked to its surrounding area of space, thereby loosening up the city. There is a strong change of emphasis in Gropius' assessment of the trends of the times in this second project, the Back Bay Centre in Boston.

It attempts to create a city space for the pedestrian by juxtaposing on a restricted site office buildings, shops, exhibitions, hotels and a convention hall which enclose an area free from the planning problems created by traffic.

In this space the pleasures of the market place, the garden and the small court can be enjoyed while cars are parked conveniently near. It is like an island locked in the city. "Gripped," writes Giedion, "as in an iron vice."

It may be that with this solution Gropius may find the response from society for which he always searches, telling him whether his far-sighted ideas can move forward to realization or not.

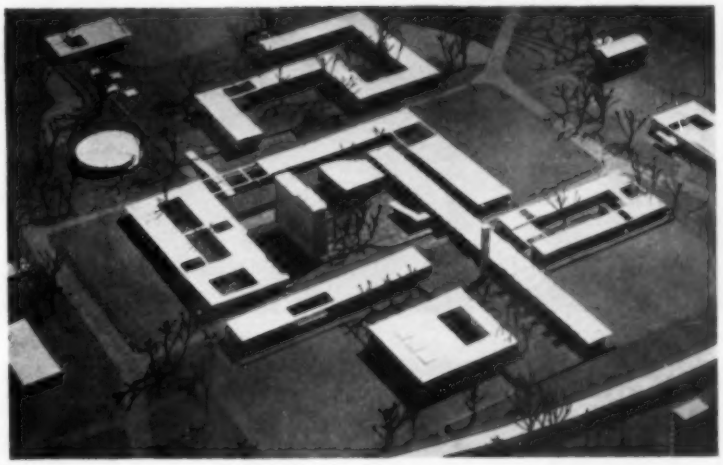
This would mean that the community rooms originally planned for the slab block had been able to merge into a new and vital idea, the living hearts of a city.

The Back Bay Centre is one approach to the provision of a heart.

Gropius' influence on students in America especially in the matter of socially organized outdoor space has been very strong. This is important in relation to the American as opposed to the European scene.

It is probably true to say that American students visiting Europe with a list of squares, places and piazzas which they must see at any cost are impelled by an awareness of outdoor space they have learnt at Harvard.

Through working under Gropius' direction on such schemes as the Civic Centre, Sudbury, or Six Townships in the vicinity of Concord, or the many preliminary student projects made for the Back Bay Centre, these students have learnt about something many American cities urgently need. Walter Gropius is entitled to feel some satisfaction about this. It is to be sincerely hoped that he will do so. G. H.



Civic Center, Sudbury, Mass., 1951. A project for a new town for 30,000 inhabitants by students of Harvard University under the direction of Walter Gropius.

(The three illustrations to this article are reproduced from the book under review).

PRESIDENT JUAREZ CENTRE. MEXICO CITY

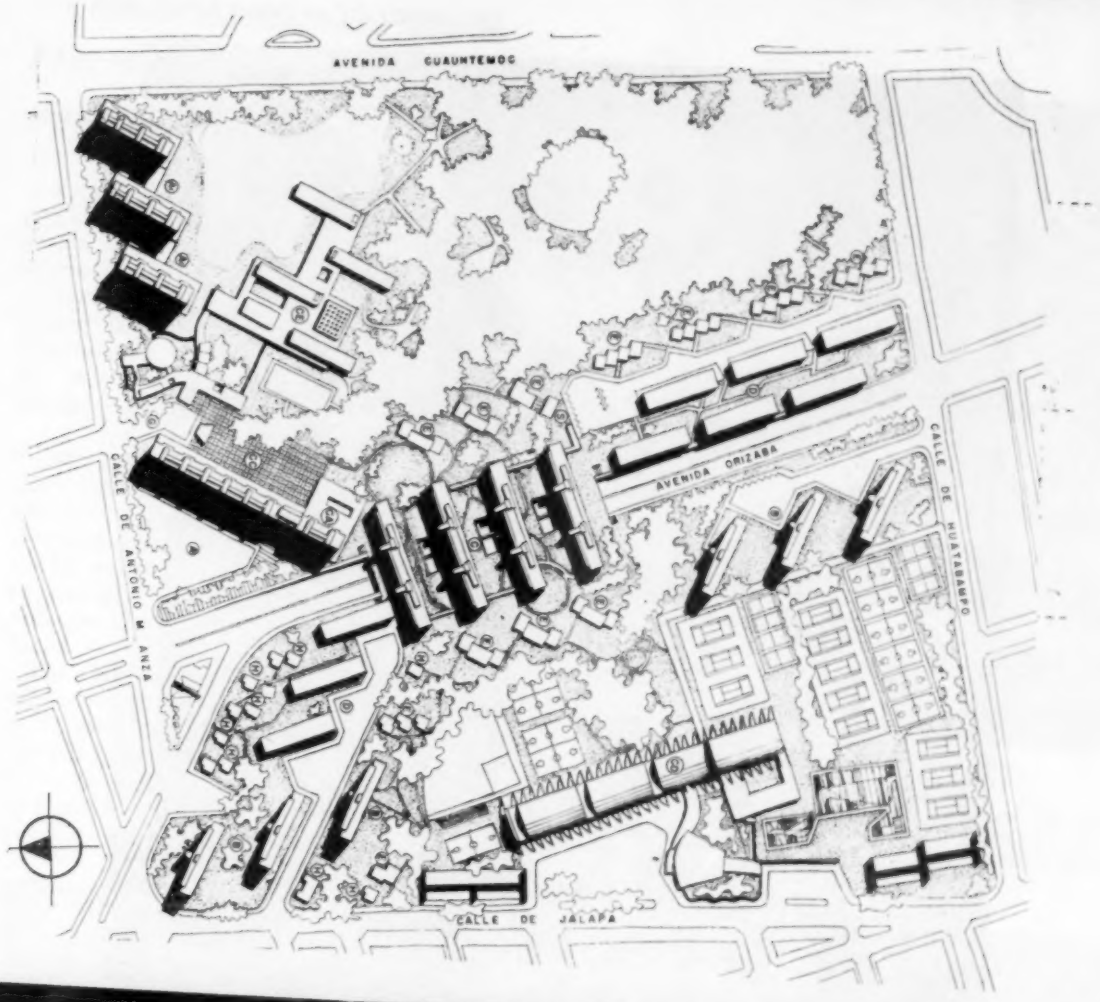
ARCHITECTS : MARIO PANI AND ORGETA FLORES

THE Centro Urbano Presidente Juarez covers a site area of 250,000 square metres in a suburb of Mexico City. It provides housing accommodation for 3,000 people, a school and children's garden; a medical centre and shops. There is also parking space for 100 cars. The blocks of flats are of eight storeys and eleven storeys with accommodation varying from one room up to family flats, all with bathrooms and kitchens, and served by lifts.

The blocks have been arranged on the site to avoid

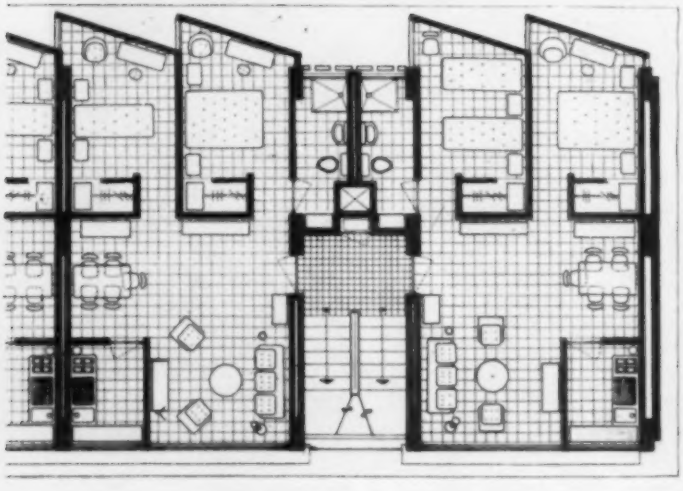
Continued on page 120

Block B : 11-storey flats. View looking towards north-west



Block C : The central area of 8-storey flats showing entrance to the under pass

One of the 11-storey blocks with typical flat plan



each other's shadows and flats have both an east and west aspect.

The landscaping has received particular attention especially the children's areas. There is a crêche to the east of the centre section which takes 450 children from earliest age up to school-age. This group includes a small medical block, a ward for cots, three classrooms, a rest-room, refectory and three large play-gardens.

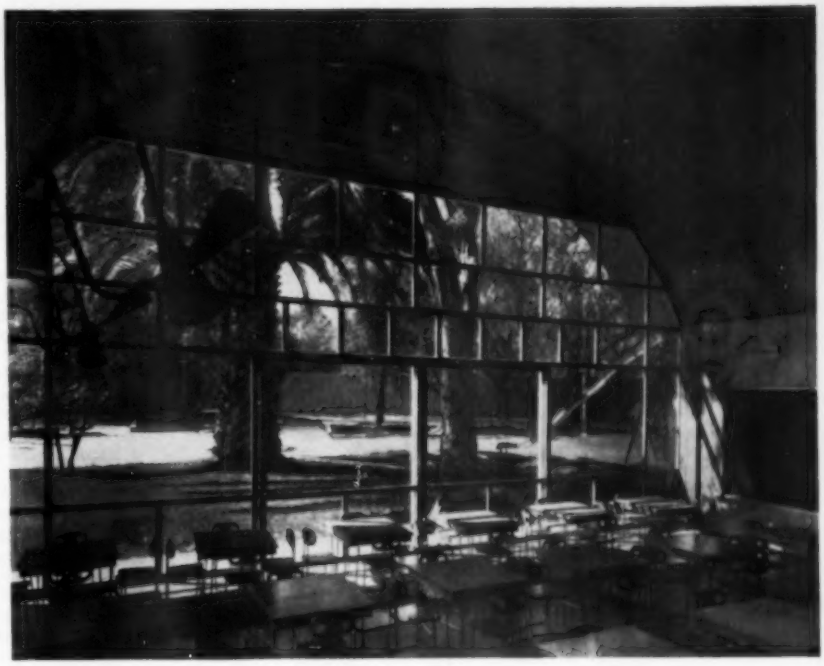
President Juarez Centre, Mexico

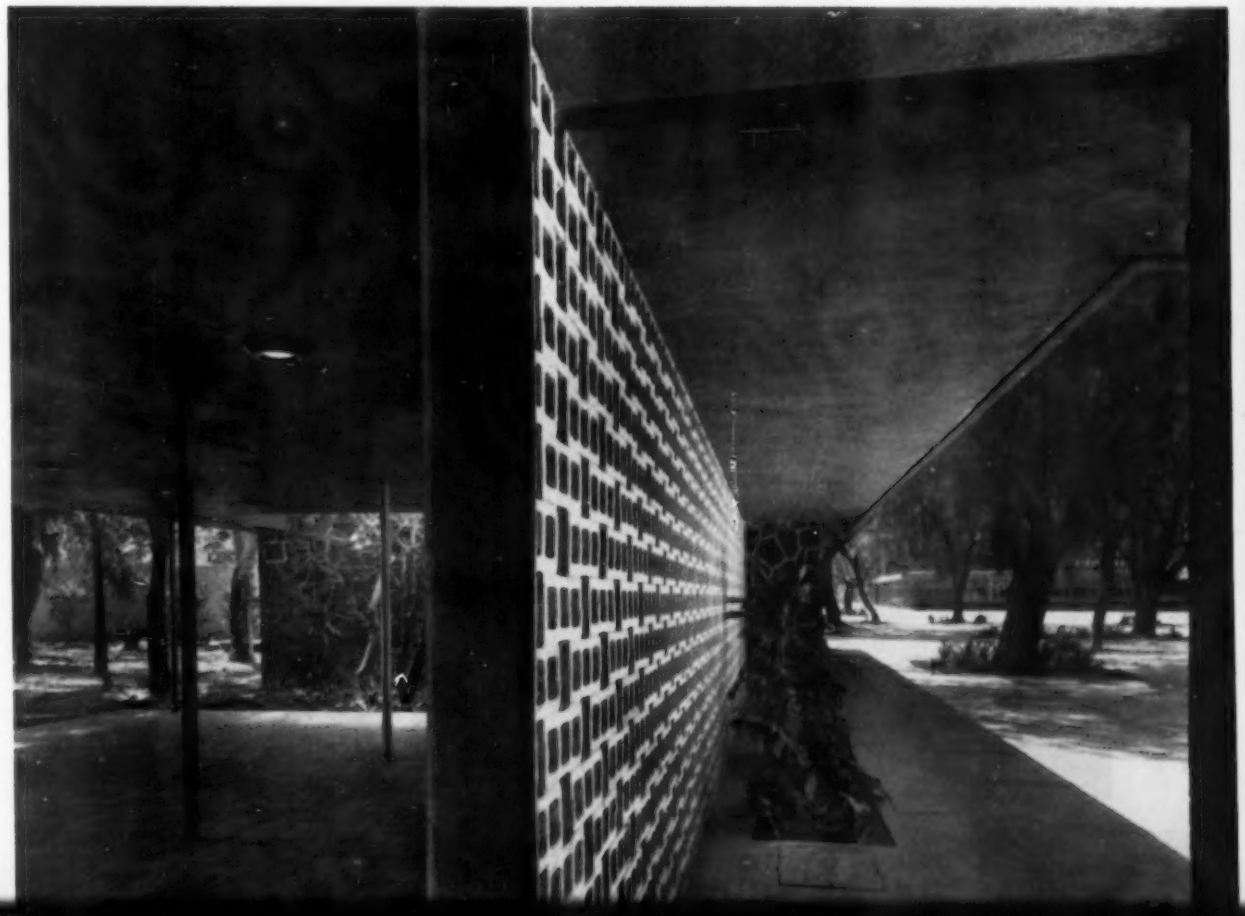
A sports centre is planned to provide recreation for 6,000 people and additional social centres are to be built as well.

Shops are included on the ground floor of some of the residential blocks where there is the greatest concentration of people.

A central avenue cuts across the site, passing underneath the centre group. External surfaces have been decorated with bold abstract patterns, some of which can be seen in the illustrations, for example on the staircase walls and the approach to the tunnel.

The Mexican Embassy, it will be remembered, is bringing to London an exhibition of Mexican Contemporary Architecture to be shown in April at the R.I.B.A.





Two views of the school, one showing a classroom and the one below the siesta area with play garden in the background

Casting Concrete in Frosty Weather

THE problem of casting concrete columns and beams in the open during frosty weather, when such work is usually brought to a standstill, has been solved by a Birmingham firm. Seven beams and two columns were successfully cast with temperatures down to 20 deg F by the use of soil heating cables. Mr. R. Peacock, Building Superintendent, initiated the experiments by approaching the local Electricity Board office when extremely cold weather was causing concrete to freeze.

It was suggested that low voltage insulated soil warming cable, as employed for horticultural purposes, be used in the concrete setting moulds, along with the reinforcing steelwork, to keep the temperature up until the first setting had taken place. Insulated cable is, of course, necessary to preclude any possibility of part of the cable being "shorted out" by contact with the steelwork. At an early stage it was thought that it might be possible to use the reinforcing steelwork as the warming element, but this proved to be impracticable owing to its low resistance.

Bearing in mind previous experience with floor warming for buildings, and the fact that, initially, the chemical action of the setting concrete produced some heat, the electricity engineer considered that 5 watts per super foot (square foot of surface area) would be sufficient to counteract the effect of frost without pushing up the cost of electricity used beyond the economical limit.

Three types of work were being cast:—12ft long beams, 6in × 12in in section, of 36 super feet and weighing about 8cwt, 22ft long beams, 6in × 9in in section, of 55 super feet and weighing about 11cwt, and 20ft long columns, with a 3ft protrusion at the top at an angle of 30 deg, containing about 84 super feet and weighing nearly 1½ tons.

The beams were being cast in multiple moulds of six at a time, which reduced the effective radiating surface area. The columns could only be cast singly, and were the most vulnerable to attack by frost.

For the first experiment one 12ft beam was cast by itself with soil warming wire laid round the reinforcing between it and the mould sides—this being done to prevent any accidental damage when the vibrator was used to consolidate the wet concrete. A current of 19 amps at 7 volts was then supplied from a hotplate transformer (Revo "Superspeed") and the current left on for approximately 24 hours. In spite of the ambient temperature being several degrees below freezing point for the whole of the 24 hours, there was not a sign of frost damage and the beam was perfect.

Encouraged by this, six beams were cast in the multiple mould, and then, using two ("Superspeed") transformers in series-parallel connection, two columns were cast.

The results were, for one beam, 12ft × 6in × 12in using 19 amps at 7 volts for 24 hours, the length of warming cable being 25ft, the minimum temperature was 20 deg F and the maximum temperature 27 deg F. Electricity consumed: 3 units (approx.).

With six beams the same size, using 80 amps at 6 volts for 24 hours, the length of cable being 6 × 30ft, maximum temperature was 31 deg F and the minimum temperature 21 deg F. Electricity consumed: 12 units (approx.).

For two columns using 40 amps at 20 volts for 24 hours the length of cable was 2 × 65ft. Maximum temperature was 37 deg F (for only one hour of the 24) and the minimum temperature 23 deg F. Electricity consumed: 19 units (approx.).

The cable used in all experiments was steel cored 7-strand P.V.C. covered, type CIN/LV at a cost of approximately 10s per 100 yards.

The experiments actually took place on a building site in Shirley where recorded temperatures were not available. The temperatures given are those recorded by Edgbaston Observatory, and it is considered that conditions on the site would be, if anything, more severe.

A useful lesson was learnt during the work. After six hours of setting of the first column, the low voltage cable burnt out. Fortunately the column was saved from frost damage by the use of six coke braziers which had to be kept burning all night, although the amount of heat put into the concrete before the fault occurred was a useful factor. The fault resulted from the winding of both ends of the warming cable round a nail projecting from the mould.

The experiments were quite successful, the saving of idle labour costs more than justifying the cost of the cable and electricity used which worked out at approximately 7s (cable 3s) per 100 super feet of concrete.

The Electricity Board is of the opinion that, as it is unlikely more than 600 super feet of precast concrete would be laid in one day in such conditions, a 3-kVA transformer would cover every possibility and that possibly a 2-kVA transformer would cover most work. Such a transformer should have primary tappings to give secondary voltages of from 7 to 25 in steps of 1½ volts, with the secondary being capable of delivering the full kVA output at the lowest voltage. The transformer, it is suggested, should be built into a robust steel case, with primary tapping switches and a primary ammeter so that with a little instruction the equipment could be operated by the normal building labourer. The capital cost should not be prohibitive when compared with idle labour costs during frosty weather.

The transformer set up with a multiple mould

The first experimental beam

CURRENT MARKET PRICES (LONDON)

(These prices apply to material purchased in the quantities named or otherwise as might be expected for a new building of moderate size.) **January, 1955**

AGGREGATES AND SAND

1½ inch—all in—ballast	23/–	Yard cube delivered (in five yard loads or more)
¾ inch do. do.	24/–	
¾ inch screened shingle	22/9	
¾ inch do. do.	23/–	
¼ inch granite chippings	45/–	
Sharp washed sand	23/–	
Pit sand	22/3	
Building sand	22/3	
Broken brick	18/6	
1½ inch shingle	22/–	
Cartage of muck	8/–	

BUILDING MATERIALS AS DESCRIBED, CENTRAL LONDON

CEMENTS packed in paper bags	Per ton
Portland in 6 ton lots	96/6
Do., from 1 ton to 5 ton 19 cwt do.	105/6
Do., Rapid hardening (6 ton lots)	104/6
Do. (but 1 ton to 5 ton 19 cwts)	113/6
Cement " Aquacrete " (do.)	138/–
Do., " 417 " or " Polar " (do.)	138/–
Do., " White " (1 ton lots)	257/–

LIME—	127/–	(1 ton loads)	deliv'd.
Hydrated and Ground including paper bags	124/6	(2/3 do.)	do.
	114/6	(4/5 do.)	do.
	112/6	(6 do.)	do.

PLASTER—	
Keenes, coarse, pink (2 ton lots)	188/6 ton
Do. do. white (do.)	194/– do.
Sirapite, do. (2 ton to 3 ton 19 cwt lots)	139/6 do.
Do. finish (do.)	147/6 do.
Hardwall, do. (do.)	148/9 do.
Plaster, coarse, pink (do.)	137/3 do.
Do. do. white (do.)	145/9 do.
⅛in. Plaster baseboard (25 to 149 yards)	2/9 Yard Sup.
Do. (150 to 299 yds.)	2/5 do.
3½in Jute scrim (100 yd. roll)	9/– each
Cow hair (under 3 cwt)	97/6 cwt

FIRECLAY—	
Stourbridge, loose (1 ton lots)	166/3 ton delivered
Fire cement	12/3 14 lb

BRICKS

BACKING BRICKS (in truck loads)—	
Flettons	113/– per 1,000 delivered
Do. Keyed	115/– do.
Do. bullnose	133/– do.
Blue wirecuts	462/6 do.
White	192/– do.
Southwater engineering (No. 1)	370/– do.
Firebricks—2½ inch	69/3 per 100 delivered
Do. —3 inch	87/3 do.
STOCK BRICKS—	
Mild stocks	176/6 per 1,000 at Works
Second, do.	211/– do.
First do.	227/– do.
Add for delivery—approx. 45/– per 1,000 in lorry loads.	
FACINGS (ex truck or lorry)—	
Rustics	138/– per 1,000 delivered
White	200/– do.
Blue pressed, 2½in	509/6 do.
Do. bullnose	527/6 do.
Reds (Multi sand faced)	290/– do.
White glazed stretchers	1280/– do.
Do. headers	1260/– do.
Do. bullnose	1600/– do.
Do. double stretchers	1700/– do.
Do. double headers	1500/– do.
Breeze fixing bricks	28/6 per 100
Fire tiles and lumps	33/– foot cube
Wall ties—8″ × ½″ × ⅛″, black	57/– per cwt
Cement mortar (1 : 3) hand-made	82/– yard cube

BRICKLAYERS' SUNDRIES—					
AIR BRICKS		9×3in	9×6in	9×9in	12×9in
Iron	each	1/11	3/1	4/8	6/2
Galvanized do.	do.	3/3	5/5	8/1	10/10
Terra Cotta	do.	1/3	2/6	6/–	10/2
Chimney pots, Terra Cotta (11 to 25)		1ft	2ft	3ft	4ft
	do.	6/8	11/8	26/6	45/8

PARTITIONS—			
18in × 9in Blocks keyed for plastering.			
Per yard super in 6 ton lots	2in	2½in	3in
In solid clinker including any half blocks	3/7	4/2	5/–
In cellular clinker blocks	4/3	4/11	5/9
In hollow clay blocks	4/3	4/6	5/–
Clinker blocks in small quantity	5/2	6/1	7/4

Intermediate quantities in all types may be had at intermediate prices.
Smooth in lieu of keyed faces extra cost per side 3d. per yd. super.

SINKS			
Fireclay white glazed in and out—standard quality.	24×18in	30×18in	30×20in
London pattern, no overflow, 6in deep	62/–	77/–	81/–
Belfast, plain edge, 10in deep	71/–	122/–	163/–

FLUE LININGS PLAIN, CIRCULAR	Foot lineal Straight	Each Bends
9in diameter	3/8	11/–
10in do.	4/7	13/9
12in do.	8/8	26/–
9in diameter, beaded end, 12in high		4/10

FLUE PIPES AND FITTINGS	4in	5in	6in
Heavy asbestos type, 6ft length	15/3	21/–	26/6
Do. 3ft length	7/8	10/6	13/3
Do. bends	5/9	7/3	8/8
Light asbestos type, 6ft length	12/6	15/9	21/–
Do. 3ft length	6/3	7/11	10/6
Bends	4/7	5/9	6/11
Baffler	12/5	14/9	15/8

DRAINAGE GOODS

GLAZED STONEWARE STANDARD LIST

ORDINARY TYPE—EACH	4in	6in	9in
Pipes in 2 feet lengths	1/8	2/6	4/6
Bends	2/6	3/9	10/1½
Junctions (4in on 4in, 6in on 6in, 9in on 9in)	4/2	6/3	13/6
Gullies with 4in outlets	6/3	6/10½	11/3
4in horizontal inlets	2/–	3/–	5/–
4in vertical ditto	3/–	4/–	7/–
Black iron grids	9*d*	1/5	2/9

Adjustment to Current Cost

	2 ton lots or more	Less than 2 ton lots: 100 pieces or more	Less than 2 ton lots: Under 100 pieces
" Best " pipes and fittings. Percentages to add	67½	97½	107½

Further percentages to be independently added in respect of: British Standard pipes, etc., 10. " Best " Tested pipes, 37½. British Standard Tested, 47½.

IRON DRAINAGE GOODS— 2 ton lots. Each	4in	6in
Cast iron pipes, 9 feet long	63/9	94/6
Do. 6 feet do.	46/2	72/6
Do. 4 feet do.	36/1	56/6
Do. 2 feet do.	22/1	33/11
Short bend	15/–	31/2
Junction	26/5	51/–

CURRENT MARKET PRICES *(Continued)*

DRAINAGE GOODS—*Continued*

GULLEY PARTS—	4in	6in	
Traps, high level, invert	24/–	60/–	each
Inlet, bellmouth pattern	13/10	22/3	do.
Do. with one vertical branch	18/7	28/6	do.
Do. with two do.	53/–	95/–	do.
Extra for Sealed cover	8/6	11/–	do.

RAINWATER SHOES	4in	6in	
With vertical inlet and rebated top	27/–	72/–	each
Extension piece, 6in high	15/–	16/3	do.
Flat loose coated grating	3/8	3/8	do.
Loose solid coated cover	4/10	4/10	do.

MANHOLE CHANNELS, WHITE GLAZED—

Each	4in	6in	9in
Straight, 2 feet long	15/–	21/3	36/3
Taper, ditto	25/–	25/–	37/6
Bends, main, half section	28/9	41/3	67/6
Ditto, branch, ditto	17/6	25/–	—
Ditto, ditto, three quarters, ditto	25/–	38/9	—
Junctions, single	23/9	41/3	—
Ditto, double	32/6	56/3	—

BROWN GLAZED CHANNELS—
Based on standard list (less than 100 pieces)

	4in	6in	9in
Half-round main channel (2ft long)	2/8	3/11	7/–
Extra for stop ends	2/8	3/11	7/–
Extra for outlets	5/3	7/10	—
Channel bends with splayed ends	7/10	11/8	—
Three-quarter section do.	10/5	15/7	—

MANHOLE COVERS—	Black	
24×18in Light foot traffic	27/–	each
Do. Strong do.	35/–	do.
Do. Light car traffic	98/–	do.
Do. Road traffic	155/–	do.

SUNDRIES—	Galvanized	
Manhole steps	7/9	each
4in Mica valve fresh air inlets (L.C.C.)	26/6	do.
Plumber's hemp	7/3	per lb.
Gaskin, caulking	1/5½	do.
Canvas backed hair felt, 4in wide	9*d*.	per ft run

ROOFING MATERIALS

WELSH SLATES (delivered)—

Sizes in inches	Full Loads per 1,000	Quantity 100 to 499 per 100	1 to 99 per doz.
22×11	1735/–	240/–	31/6
20×10	1532/–	209/6	28/–
18×10	1119/–	151/6	20/–
16×10	927/–	126/–	16/9
14×9	711/6	86/–	11/3
14×4½	316/3	38/3	5/–

TILES (Broseley and Staffordshire)—	per 1,000	per 100
10½″×6″ Machine made	297/6	36/–
Do., hand made, sand faced	354/6	43/–
Hips, valleys and angles	31/–	per dozen
	Per 1,000	Per 100
Plain concrete tiles	177/–	19/6

Sheeting asbestos corrugated, 6in pitch (23 to 85 super yard lots)	6/8½	yard super
4½in×16 gauge, drive screws (galvanized)	16/3	gross
7½×¼ hook bolts and nuts (do.)	48/–	do.
Washers, round, flat, galvanized	4/9	do.
Do. do. bituminous	2/–	do.

ROOFING FELT—		
Sanded bitumen felt (55lb)	1/–	Yard Super
Ditto, but 75lb in weight	1/6	Do.
Inodorous felt, best quality	3/–	Do.
Ditto, second quality	2/4	Do.
Underlining	1/8	Do.
Sheathing	1/8	Do.
Galvanized felting nails	1/6	lb

PRECAST CONCRETE LINTOLS—
1 : 2 : 4—½in material, finished with fair exposed faces, including all form-work and one ¼in diameter mild steel rod reinforcement to each 4½in in width.

Per foot lineal delivered to site.				
4½in×6in	9in×6in	9in×9in	13½in×9in.	18in×9in
4/–	6/–	7/8	9/6	11/6

STONE

PER FOOT CUBE in random blocks not exceeding 20ft average in each.
BATH STONE F.O.R. SOUTH LAMBETH—
Monks Park 7/10 St. Aldhelm 8/10 Doulting 8/4
STONE F.O.R. NINE ELMS—
Portland brown Whitbed 8/1½. Beer 8/–.
Over 20ft average cube blocks extra cost.

TIMBER

Softwood—sawn—random lengths.

	Per Standard	Per cubic foot
Carcassing quality	£108	12/1½
Joinery quality	£120 and up	13/4

Plain edged unsorted flooring, per square	½in	1in	1½in	1½in
	90/–	110/–	138/–	165/–

½in insulating wall board (600 yards) 4/6 yard super.
Larger quantities cost less, and smaller quantities more.

SUNDRIES—	Dia.	3in	6in	9in
Black hexagon bolts, nuts and washers. Each	½in	7*d*.	9*d*.	11*d*.
	⅝in	10*d*.	1/1	1/4*d*.
	¾in	1/2*d*.	1/6*d*.	1/10*d*.
Sashline, hemp, good quality Per Yard Run	No. 6	No. 8	No. 10	
	9*d*.	1/–	1/3	
Floor brads	64/– per cwt			
Cut Clasp Nails	65/– per cwt			
Steel ordinary screws	1″ No. 8 2/10	2″ No. 8 4/10	per gross	
Brass, ditto	Do. 8/8	Do. 15/2		

HARDWOOD—

Prime	Per ft super ½in	1in	Per ft cube
African mahogany	2/4	2/6	28/–
Honduras ditto	3/3	4/–	50/–
Portuguese Guinea ditto	3/1	3/3	36/–
African walnut	2/5	2/7	29/–
Australian ditto	5/6	5/10	65/–
English oak	4/3	4/6	50/–
Yugoslavian ditto	3/4	3/7	40/–
Burma and Siam Teak	5/–	5/9	65/–

DOORS.—STANDARD TYPE SOFTWOOD

Each in quantities 12 or more.
1⅜in finish, 4 horizontal panels moulded both sides 6ft 6in high.
2′ 3″ wide 41/–
2′ 6″ do. 42/3
2′ 9″ do. 44/6

FLUSH DOORS 1⅜in thick, ply faced both sides, lipped edge.
All 6ft 6in high.
2′ 3″ wide 47/6
2′ 6″ do. 49/6

PANELLED DOORS:
see B.S. 459—Part 1.

FLUSH DOORS:—
see B.S. 459—Part 2.

2in (nominal) as last but upper panel prepared for glazing
2′ 6″ wide 59/–
2′ 9″ do. 62/–
2in (ditto) all as above but in 3 panels.
2′ 6″ wide 55/9
2′ 9″ do. 58/3
2in (ditto) all as above but in 2 panels.
2′ 6″ wide 51/3
2′ 9″ do. 53/6

IRONMONGERY

	2in	3in	4in	5in	6in
Cast iron Butts, per pair	10*d*.	1/5	2/3	4/3	6/–
Hinges, spring, single action regulating, japanned, each	—	7/6	9/9	13/3	17/3
Do. but double action spring only, each	—	13/6	14/9	22/3	27/9
Do. blank only, each	—	8/3	11/3	17/–	20/9

CURRENT MARKET PRICES *(Continued)*

IRONMONGERY—*Continued*

	12in	18in	24in	30in	36in
Tee hinges (japanned), per pair	2/-	3/10	—	—	—
Do. but stronger, per pair	3/4	6/1	8/3	—	—
Hook and Ride hinges, per pair	—	—	13/4	16/3	24/10

BOLTS—each—	3in	4in	6in	8in	10in	12in
Cabinet, barrel, straight or necked	1/4	1/6	2/-	—	—	—
Square spring, with brass knob	1/3	1/6	2/-	—	—	—
Tower bolts	—	1/7	2/3	3/-	3/9	4/6
Barrel bolts	—	2/7	3/9	4/10	6/3	7/7
Add to Tower or Barrel bolts if necked	—	5½*d*	6¾*d*	8*d*	8*d*	8*d*

LOCKS—each			
Rim lock, 2 lever, wrot case brass bolt and bushing	11/9	Brass furniture	3/-
		or Bakelite do.	3/1
		Bakelite finger-plates	2/3
Mortice lock, 2 lever, bushed	12/-	Brass furniture	7/-
		or Bakelite do.	3/8
Cylinder latches, japanned case			17/-
Brass sash fastener		each	4/-
Casement fasteners (malleable)		do.	1/6
Do. stays (do.)		do.	2/-
Axle pulleys (brass face, iron wheel)		do.	3/7
Do. as last, but with brass wheel, 1¾in		do.	4/8
Sash line, No. 8 Anchor yellow label		per yard	1/-

METAL GOODS

British rolled steel joists ex works to basis sections (6in × 5in, 8in × 5in or 6in, and 10in or 12in × 6in)	£33/10/0	per ton
Extra cost over basis for following sections:—		
9in or 18in × 7in, 14in × 5½in, 15in × 5in, 14in or 15in or 16in or 18in × 6in, 20in × 6½in, 20in × 7½in, 10in or 12in or 14in or 18in. × 8in	10/-	per ton
5in × 4½in, 7in × 3½in, 13in × 5in	15/-	do.
12in × 5in, 22in × 7in	20/-	do.
6in × 4½in, 7in or 8in or 9in × 4in, 10in × 5in	25/-	do.
4in × 3in, 10in × 4½in	30/-	do.
5in × 2½in, 5in × 3in	35/-	do.
6in × 3in, 24in × 7½in	40/-	do.
3in × 3in	50/-	do.
4¾in × 1¾in	65/-	do.
3in × 1½in, 4in × 1¾in	70/-	do.
⅜ mild steel reinforcing rods ex mills	£34 0 0	do.
Extras per ton		
⅝in and ½in diameter in size	32/-	per ton
7/16in do. do.	32/-	do.
⅜in do do.	49/6	do.
5/16in do. do.	67/-	do.
¼in do. do.	87/-	do.
3/16in do. do.	124/6	do.
Extras for length		
5ft to 3ft	7/6	do.
3ft to 2ft	15/-	do.
2ft	22/6	do.
40ft to 45ft	15/-	do.
45ft to 50ft	22/6	do.
Bolts and nuts	85/-	per cwt
Trench covering, including trays 1¼in deep and rebated frames, 9in wide	20/6	foot run
Do., but 12in wide	22/-	do.
Do., but 14in wide	24/-	do.
Do., but 18in wide	31/6	do.

METAL SUNDRIES

Cast iron pavement light filled with 4in × 3in glass lenses	40/-	per ft. super
¼in wrought iron plate door in four panels with stiles and rails on both sides	45/-	do.
20 gauge galvanized iron trunking and straps	5/-	do.
24 gauge galvanized Tallboy 6ft high 9in diameter with 9in × 12in base	55/-	each.

CHAIN LINK FENCING—

In 25 yards lineal rolls inclusive of line wire.

2in mesh.	Height in inches—				
	36	42	48	60	72
10½ wire gauge	89/6	104/6	119/6	149/-	179/-
12½ do.	63/-	73/6	84/-	105/-	126/-
14½ do.	45/-	52/6	60/-	75/-	90/-

DOUBLE SOOT DOORS AND FRAMES—

Fitted with brass turnbuckle and cast key	9in × 9in 17/3	12in × 9in 25/-	14in × 12in 42/9

SLIDING DOORS, GATES AND PARTITIONS—

Factory sliding doors in two leaves containing about 100 square feet with mild steel angle frames covered with 24 gauge corrugated galvanized sheeting and including hanging tubular track and gear complete	14/-	foot super
Factory entrance gates with mild steel frames clad with 2in mesh chain link complete	11/-	do.
Steel partitioning, glazed (rough cast) and stove enamelled	17/-	do.

STEEL ROOF LIGHTS—

Lanterns with vertical sides, and hipped roof, glazed with ¼in cast glass and lead flashed.	16/6	foot super
Skylights of similar construction (180ft super)	15/6	do.

HIGH GRADE DOMESTIC BOILERS

Coke fed. Performance 20 to 40 gallons raised from 40°F to 140°F per hour as under.

TYPE		£	s	d
20 gallons per hour 15in wide, 23in high.	Plain cast iron black finish	7	3	3
	Ditto, in cream mottle finish including side jackets	10	3	6
25 gallons per hour 19in wide, 22in high	In cast iron as before and base plate	10	13	6
	Ditto in cream mottle with side jackets and base	15	13	9
40 gallons per hour 22in wide, 23in high	In cast iron, etc. as last ditto	16	18	6
	Ditto in cream mottle all as last ditto	22	18	0

GAS, WATER AND STEAM TUBES

(From Standard List.)

Internal Diameter—	¼in &	⅜in	½in	¾in	1in	1¼in	1½in	2in
Tubes per ft	4*d*	4½*d*	5½*d*	6¾*d*	9½*d*	1/1	1/4½	1/10
Bends each	8*d*	9*d*	11*d*	1/2	1/7½	2/7½	3/2	5/2
Elbows, sq. do.	10*d*	11*d*	1/1	1/3	1/6	2/2	2/7	4/3
Do., round do.	11*d*	1/-	1/2	1/5	1/8	2/4	2/10	4/8
Tees do.	2/2	2/4	2/9	3/3	4/1	5/6	6/7	10/6
Backnuts do.	2*d*	2*d*	3*d*	3½*d*	5*d*	6*d*	8*d*	1/1
Sockets do.	3*d*	3*d*	4*d*	5*d*	6*d*	8*d*	10½*d*	1/3
Sockets, dimin. do.	4*d*	5*d*	6*d*	7*d*	9*d*	1/-	1/4	2/-

PERCENTAGES ON OR OFF ABOVE

In quantity and in random lengths.

TUBE—				
Class A (light)	−22%	Black	−1⅔%	Galvanized
Class B (medium)	−11⅔%	Do.	+18%	Do.
Class C (heavy)	+⅓%	Do.	+35%	Do.
FITTINGS				
Lightweight	+11%	Black	+23½%	Galvanized
Heavy	+18½%	Black	+30½%	Do.

RAINWATER GOODS (Painted or Unpainted)

In consignments of 3 cwt. and over.

From Standard List.

Pipe:		2in	3in	4in	5in	6in
6ft. lengths	each	10/8	12/6	16/5	21/5	27/5
3ft do.	do.	5/10	6/9	8/8	11/4½	14/4½
Shoe, ordinary	do.	2/3	3/4	4/10	8/2	11/3
Bend	do.	2/8	3/9	5/5	9/9	12/8
Branch, single	do.	3/11	5/9	8/-	12/8	19/8
Offset, 4½in	do.	3/3	4/7	6/9	11/3	14/9
Do. 9in	do.	4/3	5/8	8/5	13/3	16/9
H.R. gutter, 6ft length	do.	—	5/3	7/4	9/-	12/-
Angle or nozzle	do.	—	2/2	2/8	3/3	4/8
Stop end	do.	—	8*d*	11*d*	1/4	1/6

Rainwater goods *plus* 15% at foot of invoice.

CURRENT MARKET PRICES *(Continued)*

PLASTERING MATERIALS

Sand, lime, cement and various plasters are previously included under those heads—

Metal lathing (3/8" × 24G.) (20 yds.)		3/3	sq yard
Plaster baseboard, 1/2" (600 yards)		2/2	do.
Lath nails, galvanized		1/1	lb
White glazed tiles (6" × 6" × 1/4") small quantity		17/9	sq yard
Do. rounded on one edge small quantity		21/3	do.
Do. on two adjoining edges small quantity		26/-	do.

PLUMBER'S GOODS

4 lb lead sheet (in 1-ton lots)	142/3	per cwt
Lead water pipe in coils (do.)	143/6	do.
Plumber's solder	3/6	lb.
Copper tacks	6/9	do.

IRON SOIL AND WASTE PIPE. (Standard List)

each	2in	3in	3½in	4in
5/8 in Medium pipe, 6ft lengths	12/7	14/11	16/9	19/1
Ditto, 4ft length	9/0¾	10/7½	11/10	13/4½
Bends	4/8	5/8	7/-	7/11
Ditto, with oval door	15/2	16/2	18/3	19/2
Junction, single	5/8	8/5	9/9	11/6
Ditto, with oval door	16/2	18/11	21/-	22/6
Swan necks, 4½in	5/8	8/11	10/3	11/11
Ditto, 9in	7/6	10/3	11/11	14/-
Holderbat, 2½in projection	4/8	4/10	5/1	5/2

All *plus* 15% added at foot of invoice

GALVANIZED CISTERNS, TANKS AND CYLINDERS—(Less than four)

each gallons	Nominal capacity			
CISTERNS—	100	150	200	300
Bends over tops and corner plates. Riveted or welded				
14 gauge	164/-	223/-	270/-	387/-
12 ditto	190/-	241/-	298/-	416/-
¼in plate	225/-	283/-	335/-	476/6
HOT WATER TANKS—	20	25	30	40
Riveted and with handhole and ring.				
12 gauge	113/-	125/6	137/-	164/-
¼in plate	126/-	137/-	149/-	182/-
HOT WATER CYLINDERS—	20	25	33	39
Riveted, with handhole and ring.				
12 gauge	144/-	161/-	175/-	187/-
¼in plate	161/-	179/-	195/-	208/-

PLUMBER'S BRASSWORK, etc.

Each	½in	¾in	1in	1¼in
Boiler screws, single nut	1/5	1/10	3/-	4/6
Ditto double nut	1/11	2/6	4/3	6/3
Cap and lining	1/-	1/6	2/-	2/3
Plumber's unions	2/3	3/-	4/-	6/10
Ball valves, screwed iron	12/6	19/6	—	—
Ditto, fly nut and union	13/-	22/-	—	—
Bib valves, crutch top screwed iron	8/6	12/3	—	—
Ditto, but screwed boss	10/6	13/8	—	—
Stop valves, screwed iron	7/6	10/6	—	—
Ditto, screwed iron and union	9/-	13/3	23/6	—
Ditto, double union	9/9	15/9	26/-	—
Waste, plug chain and stay	—	—	7/-	8/-
	1½in	1½in	2in	4in
Caps and screws	2/9	3/3	5/-	—
Sleeves, long	—	—	6/9	11/-
Ditto, short	—	3/2	4/3	6/9
Thimble	—	4/-	5/-	10/7
Full way gate valves, hot pressed	19/-	27/-	—	—
		1½in	1½in	2in
Lead 7 lb. P. trap		6/11	9/1	12/10
Ditto, S. trap		8/7	11/3	15/9
Lead 6 lb. P. traps with 3in seal		7/9	9/4	—
Ditto, but S. traps ditto		9/7	11/9	—

Wire ballon guards, copper, 2in 3/-; 4in 3/3.
Ditto, galvanized iron, 2in 1/10; 4in 2/-.
Hair felt, 34in × 20in, 24 oz., 6/- sheet.
Boss white jointing compound, 2/- lb.
Gaskin, 1/5½ lb. Hemp, 7/3 lb.

COPPER TUBES—Extract from B.S. 659/1944—

Internal work (semi-hard). 3 Cwts lots

Nominal bore	Outside diameter inch	Gauge	Weight lb per ft	Price per lb pence	Price per ft pence
¼in	0·596	19	0·27	45⅝	12·85
⅜in	0·846	19	0·39	46½	17·99
1in	1·112	18	0·62	44½	27·67
1¼in	1·362	18	0·76	44½	33·54
1½in	1·612	18	0·91	44½	40·16
2in	2·128	17	1·40	45⅜	63·88

CAPILLARY TYPE CONNECTIONS—

All ends copper to copper.

Each	½in	¾in	1in	1¼in	1½in	2in
Straight	1/8	2/4	3/8	4/10	6/6	9/4
Bends	4/4	5/4	7/8	10/6	16/6	23/2
Tees	4/-	4/8	7/6	11/-	15/8	23/2
Brackets (Brass)	2/1	2/3	2/6	—	—	—

GLASS

	Per foot superficial 24 oz.	26 oz.	32 oz.
English, flat drawn sheet glass cut to sizes in squares	7¾d.	10d.	1/1
Figured rolled and cathedral, white, cut to sizes, in squares (¼in)	9d	Per foot super	
Ditto, but in standard tints	1/4½	Do.	
¼in Rolled, cut to size, in squares	9d.	Do.	
¼in or 5/16in rough cast ditto	1/-	Do.	
¼in Ditto wired ditto	1/2	Do.	
Georgian wired ditto	1/2½	Do.	
Fluted (No. 4) ditto	1/1½	Do.	
Reeded (narrow, broad, cross and major) ditto	1/1	Do.	
Reedlyte (narrow and broad) ditto	1/1	Do.	
Spotlyte ditto	1/1	Do.	
¼in Calorexficast ditto	1/2½	Do.	

Each	5½" × 5½"	7½" × 7½"
3¾in hollow glass light diffusing blocks	2/9	4/2
Ditto corner blocks	5/3	6/9

POLISHED PLATE GLASS (Tariff). Cut to sizes.

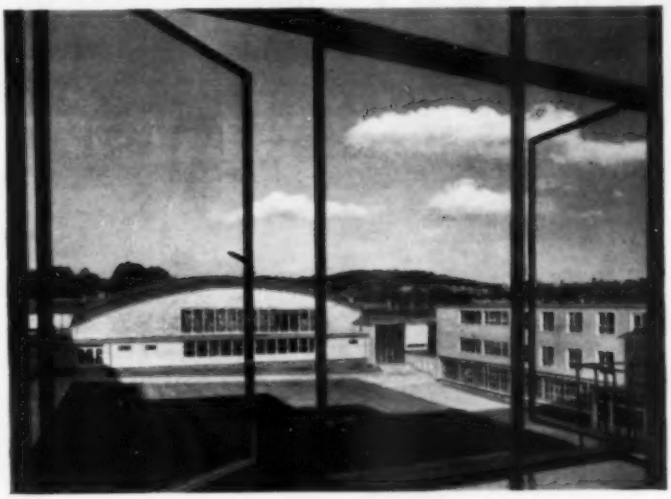
Ordinary substance approximately ¼in thick.

Per superficial foot.	Qualities General Glazing	Selected Glazing	Silvering
In plates not exceeding:			
2ft super in each	3/7	4/3	5/1
5ft ditto	4/5	5/2	6/2
45ft ditto (unless extra sizes)	5/1	5/9	6/11
100ft ditto (ditto)	5/6	6/9	8/10

Extra sizes, i.e., Plates exceeding 100ft super or 96in high or 160in wide at higher prices.

DECORATING MATERIAL

	Price	Unit
Aluminium Paint	37/6	Gallon
Distemper, ceiling	35/-	Cwt
Distemper, washable	120/-	do.
Enamel	60/-	Gallon
Gold Metallic Paint	86/6	do.
Heat Resisting Paint	50/-	do.
Japan, black	23/6	do.
Knotting	40/-	do.
Linseed Oil	12/6	do.
Boiled, ditto	13/3	do.
Proprietary Paints (good class)—		
Finishing	47/-	do.
Priming	50/-	do.
Undercoat	53/-	do.
Paperhanger's Paste	34/6	Cwt
Petrifying liquid	8/9	Gallon
Putty	49/-	Cwt
Size	9/3	Firkin
Terebine	16/-	Gallon
Turpentine substitute	6/2	do.
Varnish, oak, copal, inside use	33/-	do.
Ditto, ditto, outside use	38/-	do.
Ditto, white, eggshell, flat	44/6	do.
White lead mixed paint	62/-	do.
White lead	178/-	Cwt
Whiting	12/6	Cwt



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CURRENT MEASURED RATES (LONDON)

These apply to new work of normal character and some size. These rates are for time and materials only, and carry 10 per cent in excess, so the appropriate essential on-costs should be added. The basis cost of material used in the calculation of these prices is taken from the foregoing table which carried up to January, 1955.

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ESSENTIAL ON-COSTS

Fees payable to L.C.C. for District Surveyor :	
For new buildings of ordinary construction exceeding 5,000 cubic feet, for every 1,000 feet or part of same up to 1,000,000 cubic feet 1/6, together with an additional sum of £1/10/- ..	£1/10/- *at* + 1/6
After which allow per 1,000 do.	at + 9*d.*
For alterations and additions:	
When £100 the sum of £2/10/-, plus 12/6 for every £100 or part of same, up to £1,000 ..	£2/10/- *at* + 12/6 per 100
When over £1,000 the sum of £8/2/6, and for every £100 or part of same beyond 3/- ..	£8/2/6 *at* + 3/- per 100
Public buildings : Fees as above but plus 50% ..	+ 50%
Fees in respect of means of escape in case of fire are 1/5th of the above or £2 if greater or in the case of a one-storey building £1	1/5th
Steel framed or r.c. buildings double	+ 2

Allowance to cover National Insurances, Holidays with Pay and Public Holidays, Welfare, Third Party Risk, Travelling and Guaranteed Week is made in the rates attached to the items.

Allow for Fire Insurance do.	½%
Allow for Water for use on the works and apparatus do.	6/6%
Allow for hoarding, or similar licences in City of London say	£10
Do. under Borough Councils per each month .. say	2/6
Allow for Office, Fire, Attendance on C. or W., etc., p. week say	£1

Supervision, etc., assessment Contract value	£4,000	£6,000	£12,000	£24,000	£50,000
Cost of admin. ..	6%	5%	5%	4½%	4½%
Agent or foreman (each)	5%	4½%	3¼%	2½%	1½%
Timekeeper or Watchman (each) ..	2½%	2½%	1½%	1%	¾%

SPOT ITEMS AND DEMOLITION, ETC.	Per foot run
Hoarding erected and removed	17/-
Planked gangway with handrail, etc. do.	9/-
Proper gantry do...	68/-
Sleeper roadways	14/6
Needling, strutting and shoring including all labours and use and waste in erection and removal ..	Per foot cube 17/-
Breaking up and removing hard masses of concrete or brickwork, etc., found in foundations	Per yard cube 58/-

ALTERATION-DEMOLITION—	1 Brick Per foot	1½ Brick super	2 Brick super	Per yard Cube
Cutting out cement concrete or brickwork in small quantities ..	1/3	2/4	3/2	57/-
Do. if either in very small quantities or reinforced	2/1	3/8	5/3½	84/-
Debris into baskets and removed from inside to outside of bldg...	3½d.	7d.	8½d.	12/2

SCAFFOLDING Per Yard superficial	Period— 1 month	3 months	5 months
Putlog type—4′ 6″ lift	4/10	6/6	8/2
Do. —6′ 0″ do.	3/4	4/8	6/-
Independent type—4′ 6″ lift ..	6/2	8/9	11/3
Do. —6′ 0″ do. ..	4/2	5/9	7/5

EXCAVATION Per Yard Cube. *By hand*	Common Soil	Loam and Clay	Stiff Clay	Hard Gravel
Reduce levels	4/11	5/5	6/9	8/2
Surface trench	8/5	10/3	13/9	14/5
Barrow 25 yds.	2/6	3/4	3/9	2/6
Fill and ram	4/6	5/-	5/5	5/3
Load and cart	14/-	14/5	14/11	14/2
By machine				
Bulk dig and load	3/4	3/9	4/2	4/2
Lorry standing while loading and 5 miles travel to tip ..	5/6	6/1	7/4	6/9
1 extra mile to tip	7d.	8d.	8½d.	8d.

CONCRETE 1½in. Ballast Aggregate	Per yard cube
1 : 3 : 6 Cement concrete in foundations	70/6
Do. around grillages	73/6

REINFORCED CONCRETE

1 : 2 : 4—¾in. concrete, worked around reinforcement, between formwork in the following (at various levels) :—

Foundations and surface beds	78/6	Per cubic
Walls, 12in. thick or more	85/6	Yard

Sectional inches	Lintols and beams	Columns and casings		Braces and projections
Up to 36	4/2	4/5	4/7	Per cubic ft
36 to 72	3/11	4/3	4/-	do.
72 to 144	3/9	3/10	4/-	do.
over 144	3/7	3/9	3/11	do.
Walls 6in thick			15/7	Per super yd
Do. 9in thick			22/8	do.
Suspended floors average 6in thick ..			16/5	do.

REINFORCING RODS (round) bent and placed— Per cwt	¼in	⅜in	½in	⅝ to 1in
In floors and beams ..	72/-	67/-	62/-	56/-
In walls	78/-	72/-	66/-	59/6
In columns	85/-	77/-	71/-	64/-

FORMWORK and Supports (4 times use)— Floor soffits	Beams	Walls	Columns
17/7 per Yard	2/5	2/1½	2/1½ per super foot

BRICKWORK

BRICKWORK per YARD superficial reduced to ONE BRICK in thickness (scaffold to add)—	In 1 : 3 cement mortar
Flettons or other similar *at* 113/- per 1,000 ..	37/4
Mild Stocks or do., *at* 221/6 per 1,000 ..	50/3
Second Stocks or do., *at* 256/6 per 1,000 ..	54/-
Southwater engineering or similar bricks, *at* 370/- per 1,000	71/-
Blue Staffordshire wire cut *at* 462/- per 1,000 ..	80/10
Deduct if 1 : 1 : 6 Cement-Lime mortar is used in lieu of 1 : 3 Portland Cement mortar	2*d.*
Add if brickwork commences above ground level	3/9
Do. if in backing to masonry including cutting and waste for bonding	2/10
Do. If circular-on-plan	6/9
Do. If in underpinning	6/9

BRICKWORK IN THICKNESS NOT REDUCED— Per yard superficial	Brick, on edge walls	Half-Brick walls	1 Brick finished fair both sides	11″ Hollow with 2″ cavity and G.I. ties
In Flettons or similar ..	16/-	20/6	37/9	43/3
In second stocks or do.	21/7	28/7	53/5	59/3
Add: for pointing as work proceeds, per side	1/6	1/8	1/6	1/6
Thicknessing to old walls, including cutting, toothing and bonding to same an average total thickness of ½ brick	Fletton 53/-		Stock 62/8	Per yard super
Do. all as last but an average total thickness of 1½ bricks ..	69/-		90/3	do.

WALLS BUILT IN SUPERIOR BRICKS— In 1 : 3 Cement mortar, fair faced and pointed on both sides as the work proceeds :—	Half-Brick	One Brick	
In first quality Stocks at 272/-..	33/10	60/2	Per yard
In red facings at 290/-	34/-	60/7	super
In bluepressed facings at 509/6..	49/3	91/4	do.

GENERAL AND SUNDRY—			
Cut tooth and bond new brickwork to old ..			4/3 per ft
Damp proof course, double slate, horizontal ..			3/- super
Do., as last, but vertical			3/10 do.
Do., bitumen, Hessian base, do.			1/8 do.
Frames, bed and point in cement mortar, one side 4*d.* per ft. run			
Window board of 6″ × 6″ × ¾″ rounded on edge quarry tiles, bedded, pointed, cut and fitted ..			3/- do.
Terra cotta air bricks built in and pointed, including flue	9″ × 6″ 5/-		9″ × 9″ 9/- each
Chimney pots, plain red, set and flaunched in cement mortar ..	1ft high 13/-		2ft high 19/- each
Metal windows, assembled, hoisted and fixed, lugs cut and pinned and frames bedded and pointed one side in cement mortar.. ..	Up to 5ft super 10/9	10ft to 20ft super 21/-	5ft to 10ft super 13/6 each 20ft to 40ft super 35/- each
Leaving holes through walls for pipes and afterwards making good ..	Small pipes 3*d.* per in in depth		Large pipes 6*d.* per in in depth
Cutting do., and afterwards do. ..	10*d.* do.		1/8 do.
Cut mortices in brickwork or concrete for bolts or dowels and run in with cement grout			1/1½ per in in depth, each
Holdfasts of stout hoop iron bent holed and screwed to frame and built in ..	1/2 each		

MEASURED RATES—*Continued*

BRICKWORK—*Continued*

FACING—

Extra only over common brickwork (113/- per 1,000) for facing with superior bricks in *Flemish bond* and pointing as the work proceeds.

Rustic Flettons (138/-)	3/9	per yard super
White (200/-)	8/4½	do.
First Stocks (272/-)	13/5	do.
Reds (290/-)	14/8	do.
Blue pressed (509/6)	36/8	do.
If built in English bond, *Add* 10% to above		
If do. half-brick stretcher bond, *Less* 25% off above		

COPING—

All labour and material in forming brick-on-edge coping with two courses of roofing tiles under and cement weather fillets on both sides, built in cement and pointed as the work proceeds.

Per foot run	9" thick	14" thick
In picked Flettons	6/1	8/2
In first quality Stocks	7/5	10/10
In red facings	7/3	10/8

Plumbing angles	2*d.* per foot run
Fair cutting	10½*d.* do.
Fair raking cutting	1/5 do.
Fair circular cutting	1/5 do.
Fair squint or birdsmouth	1/9 do.

ARCHES

Extra over Fletton brickwork for forming window head with red facing bricks set on end and with 4½" soffits and pointing	foot run 3/6
Do. for rubbed and gauged flat arch in red rubbers set in putty with fine joints	foot super 17/6

PARTITIONS

(over 100 Yards)	Per yard super— 2in	2½in	3in
Concrete slab partitions in cement mortar	9/9	11/-	13/10
Hollow clay do.	11/10	12/9	13/11
Cutting and bonding at angles, intersections and ends	4½*d.* foot run		

PAVING	1in	1½in	1¾in	
Grano trowelled gauged 5 : 2	8/-	9/-	10/-	yard super
1 × 5in skirting, square top and cove bottom			2/8	foot run
¾in × 6in red quarry tile paving			26/-	yard super
¾in × 6in do. skirting			1/9	foot run
Jointless flooring, ¼in thick			20/-	yard super

ASPHALTE (normal conditions and fair quantity)

¾in pitch mastic floor in one coat on felt underlay on prepared concrete base	B.S. 1450/48 Black	B.S. 1375/47 Brown	Red
Per yard super	12/6	13/2	15/-
	Unit	Mastic B.S.988	Natural Rock B.S.S. 1162/44
¾in in two thicknesses on felt underlay on prepared concrete base	yard super	17/-	22/6
Ditto in narrow widths	foot super	2/6	3/6
¾in skirting 6in high, angle fillet at bottom splayed and turned in at top	foot run	3/-	3/6
External angles	each	6*d.*	6*d.*
Internal *ditto*	each	10*d.*	10*d.*
Tanking or Damp Course		B.S.1097/43	B.S.1418/47
Vertical in two thicknesses	yard super	22/6	32/-
¾in horizontal *ditto*	yard super	15/-	23/6
Vertical in three thicknesses	yard super	32/-	39/-
1½in horizontal *ditto*	yard super	21/-	30/6
Labour rounded external angle	per foot run	6*d.*	6*d.*
Ditto internal angle fillet	per foot run	10*d.*	11*d.*
Ditto double *ditto*	per foot run	1/8	1/8
Collars to small pipes	each	3/6	4/-
Ditto to large pipes	each	6/6	8/-

DRAINAGE

Excavate trench, and plank and strut to sides, consolidate bottom to fall, return fill and ram earth after drain is laid, and load and remove surplus. In ordinary ground—moderately firm

Per lineal yard	
1 foot in depth	4/2
2 do.	7/2
3 do.	17/7
4 do.	23/4
5 do.	29/1
6 do.	36/11
7 do.	45/-
8 do.	57/-
9 do.	66/1
10 do.	73/4
11 do.	91/3
12 do.	102/6

Portland cement (1 : 6) concrete bed under drain pipes and benching up on both sides—6in thick	Per yard run 4in 18in wide	6in 20in wide	9in 23in wide
	5/7	6/6	8/1½

SALT GLAZED SANITARY DRAIN PIPES

and lay and joint with Yarn and Cement Mortar in trench.

Quality	Quantity	Per foot run 4in	6in	9in
"Best"	2 Tons or more	2/6	3/7	6/-
	over 100 pieces	2/9	4/1	6/9
	under 100 ditto	2/10	4/3	7/3
"Best Tested"	2 Tons or more	3/1	4/5	7/7
	over 100 pieces	3/7	5/4	9/-
	under 100 ditto	3/10	5/7	9/6
"British Standard"	2 Tons or more	2/8	3/11	6/6
	over 100 pieces	3/1	4/5	7/7
	under 100 ditto	3/3	4/8	7/11
"British Standard Tested"	2 Tons or more	3/3	4/9	8/-
	over 100 pieces	4/1	6/-	10/5
	under 100 ditto	4/2	6/3	10/10
Extra for bends "Best"—Contained in 2 Ton lots.		3/10	5/7	15/8
Extra for junction "Best"—4in on 4in, 6in on 6in—9in on 9in	ditto	6/-	8/9	25/6

IRON DRAIN PIPES—

Heavy cast iron socketed and laying and jointing in molten lead—	Per foot run 4in	6in
In main runs	11/-	14/9
In branches	11/10	16/-
	each	
Extra over last for bends and extra joint	33/6	56/-
Do. on do. for junctions and extra joint	45/-	78/-
Cast iron gulley with 10½in inlet and 4in outlet, composed of hooper and trap, and 9in extension piece and 10½in grating, and jointing all together, and jointing to drain and surrounding in concrete	130/-	—
Do. rain water shoe with vertical inlet and inspection cover, and joint up and embed	65/-	114/-

MANHOLE SUNDRIES—		4in	6in
Salt glazed straight half-round main channels	each	5/-	7/-
Do. curved	do.	10/6	15/-
Do. three-quarter section splayed channel bends (Barrons or similar)	do.	13/9	19/10
Heavy manhole steps galvanized	do.	9/3	—
Fix only manhole covers	do.	10/-	—
4in Mica flap, brass faced, f.a.i. valves and fix with molten lead joint	do.	38/-	—

ROOFER

CORRUGATED ASBESTOS SHEETS

P.C. 6/8½ per super yard, including side and end laps and fixing to wood	134/-	per square
Eaves filler pieces	1/9	foot run
Adjustable ridge	3/4	do.
Barge boards	2/8	do.
Plain roofing tiles, machine made, sand faced, 4in gauge nailed every 4th course with 1½in galvanized nails, to battens (measured separately)	226/-	do.
Extra over last for top edge or abutment cutting	1/1½	do.
Do. for double course at eaves	2/0½	do.
Do. for verges, undercloak, bed and point	2/9	do.
Do. Valley tiles including cutting and waste on both sides	10/-	do.
Do. Bonnet hips and do. bed and point	10/6	do.
Half-round ridge and bed and point	2/9	do.
Fixing soakers	1/4	dozen

Bituminous felt roofing in two layers, laid breaking joint and bedded with hot mastic and finished with fine dry grit	10/6 yard
Do. but in one layer only	7/9 super

WELSH SLATING—	Per square 16" × 10"	18" × 10"	20" × 10"
3in lap, 2 zinc nails to each slate	297/-	303/-	354/-

Additional labours	Per foot lineal 1/6	1/8	1/10
At tops, verges and abutments—straight	1/6	1/8	1/10
Do. —raking	2/3	2/6	2/9
At hips and valleys (each side)	2/3	2/6	2/9
At eaves, double course	3/-	3/3	3/8
Do. to falls	4/6	4/10	5/6

Courtesy: Scottish Industries Exhibition.

Ceiling and Lighting combine to form the *new*

LUMENATED CEILING

Courtesy: Dolcis Ltd.

The Lumenated Ceiling offers the following advantages:

- *Ideal for showrooms, shops, offices, foyers and similar applications*
- *An excellent method of modernising old, high ceilinged premises*
- *In new buildings, structural ceiling requires no special finish — it is hidden*
- *Easy access to lighting fittings*
- *Durable, dust-repellent, easy to clean and maintain*
- *Non-inflammable*
- *Air conditioning and acoustic systems easily incorporated*

Our Advisory Service is available at all times to produce recommendations for every type of installation.

Full technical data and specifications are available on request to our London office.

Here at last is an entirely new lighting technique in keeping with contemporary design, and present-day emphasis on good lighting. With the LUMENATED CEILING, there is no glare, no shadow and no 'high spots'. A pleasant, even light of correct intensity is diffused from the entire ceiling area. For showrooms and shops, it overcomes the usual 'mirror' effect of the front window. No light fittings are visible and the ceiling is attractive whether the light is on or not.

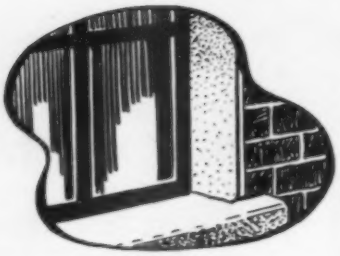
LUMENATED CEILINGS LIMITED

LONDON OFFICE: 4 LLOYDS AVENUE, E.C.3. TEL: ROYAL 1927

HEAD OFFICE: THERMOTANK LTD., HELEN STREET, GLASGOW

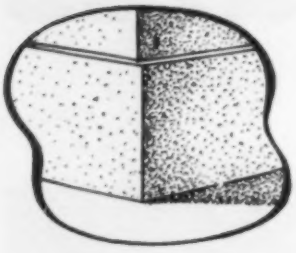
L.C

L4

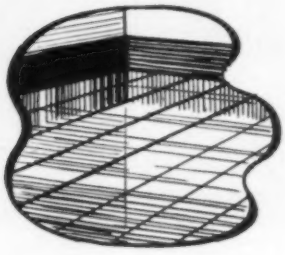


METAL

CEMENT



WOODWORK



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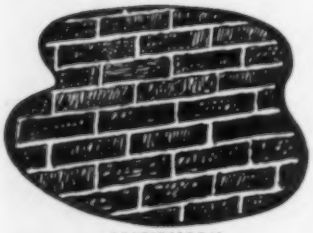
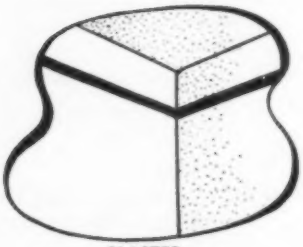
FOR ALL



BRICKWORK



PLASTER

COLOUR CARD AND FULL DETAILS OF THIS OUTSTANDING PRODUCT WILL BE SENT ON REQUEST.

JOSEPH FREEMAN, SONS & CO. LTD.,
CEMENTONE WORKS, WANDSWORTH, LONDON, S.W.18.

Telephone :
VANdyke 2432 (5 lines)

Telegrams :
CEMENTONE, WESPHONE, LONDON.

MEASURED RATES—*Continued*

FLOORS AND FLATS

Hollow tile in situ or precast units hoisted, bedded and fixed—

	Superimposed load in lb per foot super	Span 12 feet	Span 16 feet
Per yard super.	50	43/-	48/9
	100	44/3	51/3
	150	48/-	54/6

20lb has been allowed to cover dead load in surface finish.
Fair edge to slabs .. .. 9*d.* per foot run
Splay cutting and waste .. .. .. 1/8 do.

CARPENTER AND JOINER

SOFTWOOD CARCASSING— per foot cube—

	Plates	Joists	Rafters	Trusses
Labour, materials, waste nails, hoisting and fixing ..	17/10	18/10	20/5	22/6

FLOORING— Per square—	¾in	1in	1½in
Rough boarding	130/-	159/6	196/6
Softwood batten flooring, straight joints, splayed headings	130/-	159/6	196/6
Do. grooved and tongued	153/-	183/-	226/-

SKIRTING— Per foot superficial—	¾in	1¼in	1in
Wrot softwood moulded skirting with grounds and backings plugged ..	3/3	3/10	4/5
Mitres to do. .. 3*d.* per sectional inch.			
Fitted ends .. 2*d.* do.			

SASHES, fanlights, casements, borrowed lights, etc.—

Per foot super—	Without bars	With bars (2ft sup. in each square)
2in softwood rebated, moulded and fixed	2/11	5/-
Add if fitted with beads	6*d.*	1/6
Add if hanging on butts	2/1 each	

WINDOWS, hung on lines—
Softwood cased frames, 1in inner and outer linings, 1¼in pulley stiles, 2in sashes, oak sill.

Per foot super.	Overall size of frames— 6ft	21ft	32ft	44ft
Window as described	16/10	9/2	7/1	5/7
Add if sashes in squares, about 2 feet super in each	—	1/4½	1/8½	1/7½
Extra for hanging sashes with lines, weights and axle pulleys	27/-	each 44/6	55/-	74/-

FINISHINGS TO OPENINGS— Per foot super—	¾in	1in.	1¼in	1½in
Softwood linings, tongued at angles and tongued to frame including grounds and backings	3/4	3/10	4/7	5/2
Add if crosstongued	6*d.*	6*d.*	6*d.*	6*d.*
Softwood wrot rounded on front edge and with tongue at back window board including groove in sill and bearers	3/3	3/8	4/6	5/-
Add for ends to last notched, returned and rounded	1/-	1/1	1/2	1/3

Per foot run— Sectional area in inches—	1	2	3	4	5	6
Softwood wrot and fixed in bearers, backings, grounds, fillets, and similar	3½*d.*	6*d.*	8½*d.*	10½*d.*	1/1	1/3
Add if in short lengths ..	2*d.*	2*d.*	2½*d.*	2½*d.*	3*d.*	3*d.*
„ if plugged to brickwork	4*d.*	4*d.*	4*d.*	4*d.*	4*d.*	4*d.*
„ if framed as in legs and bearers	3*d.*	3*d.*	4*d.*	4*d.*	6*d.*	6*d.*
„ if rebated or grooved or beaded	½*d.*	½*d.*	½*d.*	½*d.*	½*d.*	½*d.*
„ if chamfered or rounded edges				1½*d.*		
„ if moulded in architraves, capping, etc.	3*d.*					

DOOR FRAMES— Per foot run— Per sectional inch—	6in	8in	10in	12in	13½in
Softwood, wrot, rebated, rounded framed and fixed	2/-	2/4	2/10	3/2	3/4

DOORS—Per foot super. Number of panels—	1	2	3	4	5	6
2in. Softwood, square framed and flat panels, both sides, on butts ..	5/4	6/4	6/10	7/6	7/9	8/6
1½in do.	4/6	5/4	5/10	6/4	6/7	7/1
Add for each side moulded	4*d.*	5*d.*	6*d.*	7*d.*	8*d.*	9*d.*
Add for do. flush panelled ..	8*d.*	8*d.*	8*d.*	6*d.*	7*d.*	7*d.*

per foot super—	¾in	1in	1¼in	1½in
In shelves, table tops, wrot and fixed	2/3	2/6	2/11	3/5
Do. in divisions and ends framed ..	2/5½	2/8½	3/1½	3/9½
Add if crosstongued	6*d.*	6*d.*	6*d.*	6*d.*
Add if buttoned	6*d.*	6*d.*	6*d.*	6*d.*

SUNDRIES—Per foot run	In short lengths	In long lengths	Add for cups & screws
Glazing, beads mitred around and fixed with brads ..	6*d.*	4*d.*	2*d.*
Rounded heel or hollow ..		4*d.*	
Tongued and grooved angle		6*d.*	
Glue blocking		6*d.*	
Mitres	3*d.*	per sectional inch.	
Fitted ends	2*d.*	do.	

STAIRCASE—	Per ft Super
1¼in Softwood treads with moulded nosings. 1in risers tongued both edges and glued, blocked and bracketed on and including two fir framed carriages	5/-
Do. but in winders	6/2
1¼in crosstongued landing on framed carriages .	5/-
2in moulded string	4/10
2in. do. ramped	11/2
Ends framed to newel	9/- each
Tongued and mitred angles	4/11 do.
Tongued heading joints	4/11 do.
Ends of treads and risers housed to string	3/6 do.
Extra for curtail ends to steps, glued up and veneered riser and solid blocking	95/- do.
Balusters about 2ft 9in long, square and framed each end .. .. .. each	1in 3/5	1¼in 4/-	1½in 4/6
3½in × 3½in square newel, framed	3/9 per foot run		
African mahogany moulded 3in × 2in hand-rail. (Joints below)	8/- do.		
Do. ramped 18in girth (do.)	49/- each		
Do. wreathed do. (do.)	146/- each		
Joint or framed ends	10/6 each		

FIXING ONLY IRONMONGERY	To deal	To hardwood
Barrel bolts	1/6	2/3 each
Flush bolts	3/8	4/6 do.
Sash fasteners	2/1	2/8 do.
Rim locks and furniture	5/-	6/3 do.
Mortice locks as 1 do.	10/-	15/6 do.
Cupboard locks	2/7	3/2 do.
Casement fasteners	2/1	2/7 do.
Do. stays	2/1	2/7 do.
Grip handles	2/5	3/2 do.
Spring catches	2/1	2/7 do.
Cabin hooks	1/8	2/3 do.
Floor springs including oil	44/-	55/- do.
Overhead springs	12/8	15/- do.
Springhinges	10/-	12/- do.

SMITH AND FOUNDER

Basis framed steel joists and hoist and fix	68/- per cwt.
Do. but in compound girders ..	75/- do.
Do. but in stanchions	76/- do.
Trusses	105/- do.
Additional cost per cwt. over basic sections for following R.S.Js. 9in × 7in, 10in × 8in, 12in × 8in, 14in × 8in, 16in × 8in, 18in × 6in, 18in × 7in, 20in × 6½in, 20in × 7½in ..	7d. per cwt.
22in × 7in, 1/1 cwt. 4in × 3in	1/8 do.
5in × 3in, 5in × 2½in	2/- do.
6in × 3in, 24in × 7½in	2/3 do.
3in × 3in, 2/9 cwt. 4½in × 1½in ..	3/7 do.
3in × 1½in	3/11 do.
Cleats, brackets, packing pieces, etc., in connections, including rivets and bolts	150/- do.
Forged straps	108/- do.
Wrot iron balustrade	145/- do.

RAINWATER GOODS—

Round cast-iron pipe with socketed joints caulked with red lead and tow and fixing with pipe nails and gas barrel distance pieces to plugs in brickwork	Per foot lineal 2in 3/5	3in 4/-	4in 5/2
Extra for shoes .. .. .. each	5/-	6/4	9/1
Do. junctions .. .. .. do.	7/6	9/7	13/10
Do. bends .. .. .. do.	5/10	7/6	9/8

RAINWATER GUTTERS Per foot run—	4in	5in	6in
Half round C I gutters jointed in red lead and bolted and fixed on iron brackets	3/3	3/11	5/-
Ogee do. All as last	3/7	4/1	5/3
Extra for stop ends	3/-	3/8	4/-
Do angles or outlets	5/4	6/9	8/-

MEASURED RATES—*Continued*

PLUMBER

EXTERNAL—	Soakers	Flats	Flashings
4lb Milled Sheet lead per cwt	179/9	212/6	222/-

LEAD PIPES: running joints, etc.

Per foot run	½in	¾in	1in	1¼in	1½in	2in
Main } Fixed	5/-	7/-	9/9	12/5	15/6	21/6
Service } with	4/5	6/1	8/1	10/-	13/5	17/2
Waste } hooks	3/-	4/2	5/6	6/9	8/8	11/2
Bends each	—	—	—	1/9	3/-	8/-
Solder joints „	8/1	9/7	11/4	12/11	15/1	20/4
Union and joints „	12/10	16/5	21/1	28/1	—	—
Stop valve and *ditto* „	28/11	37/7	51/10	80/9	—	—
Bib valve and *ditto* „	20/8	28/-	—	—	—	—
Ball valve and *ditto* „	22/6	31/7	49/5	71/11	—	—
Sleeve and *ditto* „	—	—	—	—	21/3	28/9

COPPER TUBES

	½in	¾in	1in	1¼in	1½in	2in
Tubes per foot run ..	3/-	3/6	4/8	5/5	6/3	9/-
Couplings: straight each	3/1	3/10	5/8½	7/5	9/6	12/11
Do. Bends each ..	6/-	7/2	10/2	13/8	20/6	28/3
Do. Tees „ ..	7/2	8/4	12/2	16/6	22/3	31/1
Do Cistern „ ..	4/-	5/3½	7/-	8/11	12/4	16/2
Stop cocks „ ..	23/10	33/6	52/9	93/-	138/-	213/-

BLACK TUBING (Class C) fixed with pipe brackets	½in	¾in	1in	1¼in	1½in	2in
Tubes, per foot run ..	1/9	2/1	2/7	3/3	3/10	5/1
Bends and fix, each ..	3/10	4/7	5/7	7/3	8/2	12/8
Tees and *ditto*	4/-	4/9	5/9	7/5	9/-	13/4
Fire bends	1/5	1/9	1/10	2/1	2/9	4/10

	2in	4in	
Coated iron (M) weight L.C.C. soil and waste fixed with nails and distance pieces and molten lead joints	4/10	7/-	foot run
Extra only for bends and joint	12/10	21/2	each
Do. junctions and joints	14/4	26/7	do.
Do. cleaning doors	14/4	15/8	do.
Domical wire guards	2/6	2/9	do.

PLASTERER—			yard super
Lime and hair	½"	Render and set	6/-
Do.	½"	Ditto float and set	7/6
Sirapite	½"	Skimming coat	3/8
Do.	½"	Render and set	7/4
Do.	½"	Render float and ditto ..	9/-
Portland	½"	Backing coat	4/2
Do.	½"	Plain face	7/4
Do.	½"	Floor screed	4/6
Keenes	½"	Skimming coat	4/9
Dubbing	½"	Thick or less	2/-
Metal lathing	½"	mesh × 24 Gauge	5/7

6" × 6" × ¼" Earthenware Plain Glazed Tiles, in fair quantity, white, and setting (on prepared screed) .. 38/-
Rounded edge. Extra over last .. 4d. per foot run.
Angles in ditto .. .. .. 4d. each
Cutting and fitting. Around pipes or clips 1/- ditto
Narrow widths. 3" to 6" wide. Add 75% to plain surface.
Ditto. 6" to 12" ditto. Add 40% to plain surface.
Sundry labours per foot linear:—
Quirk 2½d. Arris 3½d. Fair edge 2½d. Rounded edge 4d.
Flush bead 1/5.
Mouldings—5d. per inch girth.
Jointing new plastering to old 3d.

POLISHING	Foot super	Sashwork Foot run
NEW WORK—		
Staining, bodying-in and French Polish	2/6	1/7
Staining and wax polishing on hardwood	1/1	9*d.*
OLD WORK—		
Cleaning down old work and repolish ..	1/-	—
Stripping, preparing and repolishing ..	2/9	1/11

INTERNAL PAINTING

With white lead base in common colours, with brushes.

	Knot stop and prime	Prime and paint once	Prime and paint twice	Add for each extra coat	
ON WOOD—					
General surfaces ..	2/5½	4/9	6/6	1/9½	Yard super
Running lengths not exceeding 3" wide	3½*d.*	7*d.*	9½*d.*	2½*d.*	Yard run
Do. 3" to 6" wide ..	5*d.*	9½*d.*	1/0½*d.*	3½*d.*	do.
Do. 6" to 9" wide ..	7½*d.*	1/2½	1/7½	6*d.*	do.
Do. 9" to 12" wide ..	10½*d.*	1/6½	2/1	7*d.*	do.
Sash square each side	5/-	8/9	11/6	3/-	per doz.
Do. in large squares	7/3	12/3	16/8	4/4	do.
Opening edges ..	7*d.*	1/2	1/9	7*d.*	each
Casement frames each side	4½*d.*	8½*d.*	1/-	3*d.*	Yard run
Mullions or transoms, do. ..	6½*d.*	11½*d*	1/3	4½*d.*	do.

ON PLASTER—	One coat	Two coats	Three coats	
Paint on surfaces	2/7	4/11	6/8	Per Yard super
Do. on mouldings	3/-	5/6	7/4	do.
Do. on enrichment	4/7	8/8	11/3	do.
ON STEEL—				
Paint on structural steel ..	2/-	3/10	5/5	do.
Do. on roof trusses	3/4	6/6	8/11	do.
Do. on metal windows measured over all on both sides, divided into squares	3/1	5/3	7/5	do.
Do. divided into large squares	2/7½	4/6	5/10½	do.
Do. divided into extra large squares	2/2½	3/9	5/-	do.
Do. on opening edges ..	9½*d.*	1/5½	1/11	each
Do. on rain water pipe ..	9*d.*	1/6	2/-	Yard run
Do. on do. gutter	1/2	2/6	3/5	do.
Do. on small pipe	3*d.*	6*d.*	9*d.*	do.

GLAZING (to New Work)

Polished Plate Glass ordinary substance (about ¼in), glazing quality, in the following sizes, glazed complete— Per foot super

In plates not exceeding 2 feet super in each ..			4/10
Do.	5 feet	do. ..	5/8
Do.	45 feet	do. ..	6/4
Do.	100 feet	do. ..	6/9

Add extra price for glazing with screw beads or clips 3*d.* per foot super.
Do. if glazing bedded in washleather or velvet 6*d.* per foot run.

SHEET GLASS, glazed, complete, per foot super, in new work:	24 oz	26 oz	32 oz
Ordinary quality clear glazed to wood with putty in areas of 100 feet super in the aggregate ..	1/10½	2/1	2/4
Do. 200 feet do.	1/8	1/10	2/1
Do. 500 feet do.	1/6½	1/8½	1/11½

Figured rolled and Cathedral, glazed to wood with putty in 100 foot super areas in aggregate. (White). (⅛in.)

	Per foot super	
Do in standard tints	do.	2/7½
Fluted, glazed do.	do.	2/4½
Reeded (narrow, broad, etc.) do. ..	do.	2/4
Reedlyte do.	do.	2/4
Spotlyte do.	do.	2/3
¼in Rough cast do.	do.	2/2½
¼in Do. wired do.	do.	2/6
¼in Georgian Rough Cast do. ..	do.	2/5½

Add for glazing all as before but to steel to similar work as above, 2*d.* per superficial foot.

PAINTER AND DECORATOR

DISTEMPERING—In common colours, put on with brushes—
ON PREPARED SURFACE.

per yard super—	1 coat (finish)	2 coats (undercoat and finish)	*Add* if required for Sealing coat	*Add* if required for Stippling
Ordinary distemper on flat surface of plaster	8*d.*	1/3	5½*d.*	2*d.*
Washable do. on do. of plaster	10½*d.*	1/8½	5*d.*	2*d.*
Add if in margins, narrow widths or panels	30%	30%	20%	50%
Add if on mouldings	50%	50%	45%	—
Add if on enrichments ..	160%	160%	115%	—

PAPERHANGING

Hanging only— Per Piece—	Lining	Pattern
On walls	6/6	7/9
On stairs	8/10	10/4
On ceilings	7/9	9/1

Marley Tiles on a solid concrete subfloor are warm, attractive and cost far less than any alternative floor and floor covering.

Subfloor draughts and cold air currents are eliminated and absolute freedom from dry rot or woodworm attack is ensured.

SOLID FLOORS COST LESS
first, last and all the time

MARLEY

The Marley Tile Co. Ltd., London Road, Riverhead, Sevenoaks, Kent. *Telephone: Sevenoaks 2251*

London Showrooms at Alfred Goslett & Co. Ltd., 127-131 Charing Cross Road, W.C.2. ***Telephone: Gerrard 7890***

From Nairn comes the 'surprise' floor of 1955

A NAIRN VINYL TILE FLOOR IN THE CAR SHOWROOM OF TANKARD AND SMITH, CHELSEA

All over the country, in shops, offices, private homes and hotels Nairn Vinyl Tile Floors are being laid, not only because they look very attractive—there's much more to a Nairn Vinyl Tile Floor than beauty. There is . . .

The 'surprise' in WEAR-ABILITY

In a famous London cafeteria the estimated traffic was 1¼ million customers each year. After many different types of flooring had been tried, a Nairn Vinyl Tile Floor was laid with complete success. Then there is . . .

The 'surprise' in CLEAN-ABILITY

Grease, oil, mud . . . acids, alkalis, cooking fats . . . all the things that might ruin an ordinary floor leave a Nairn Vinyl Tile Floor unscathed. And all that's needed to keep it shining clean is an occasional polishing.

The 'surprise' in VERSATILITY

Nairn Vinyl Tile Floors can be laid on any kind of level surface, upstairs, downstairs, or in the basement. As a design component the Nairn Vinyl Tile is extremely versatile, too . . . AND, LAST BUT NOT LEAST, THE COST IS SURPRISINGLY LOW.

For years, both here and in the U.S.A., laboratory research and practical tests have been carried out.

Please write to us for further information, literature and advice.

MICHAEL NAIRN & COMPANY LIMITED, KIRKCALDY, SCOTLAND

T-ANGLE BRACKET WELDED TO VERTICAL STEEL SUPPORT & DRILLED FOR SCREW FIXING

HARDWOOD BEADING

GREY SHEET PLASTIC

HARDWOOD COUNTER TOP

T-ANGLE VERTICAL SUPPORT • ENAMELLED FINISH

SHEET PLASTIC FACING ON WOODEN BACKING

6" PLATE GLASS BAG SHELF

GLASS DRILLED FOR BRACKET

HORIZONTAL TUBULAR STIFFENERS WELDED TO VERTICAL SUPPORTS

SHELVING UNIT

BLACK SHEET PLASTIC WORKING TOP

SHELVING

CROSS SECTION

ELEVATION

TIMBER FRAMING BETWEEN VERTICAL T-ANGLES

T. & V. JOINTED BOARDING IN WAX POLISED BEECH

SHEET PLASTIC FACING

SHELVING UNIT

CUPBOARDS WITH SLIDING DOOR UNDER THIS PORTION • SHELVES UNDER REMAINDER

T-ANGLE SUPPORTS UNDER

SERVERY

PLAN • 1/4" TO 1' 0"

A — A

SECTION A-A

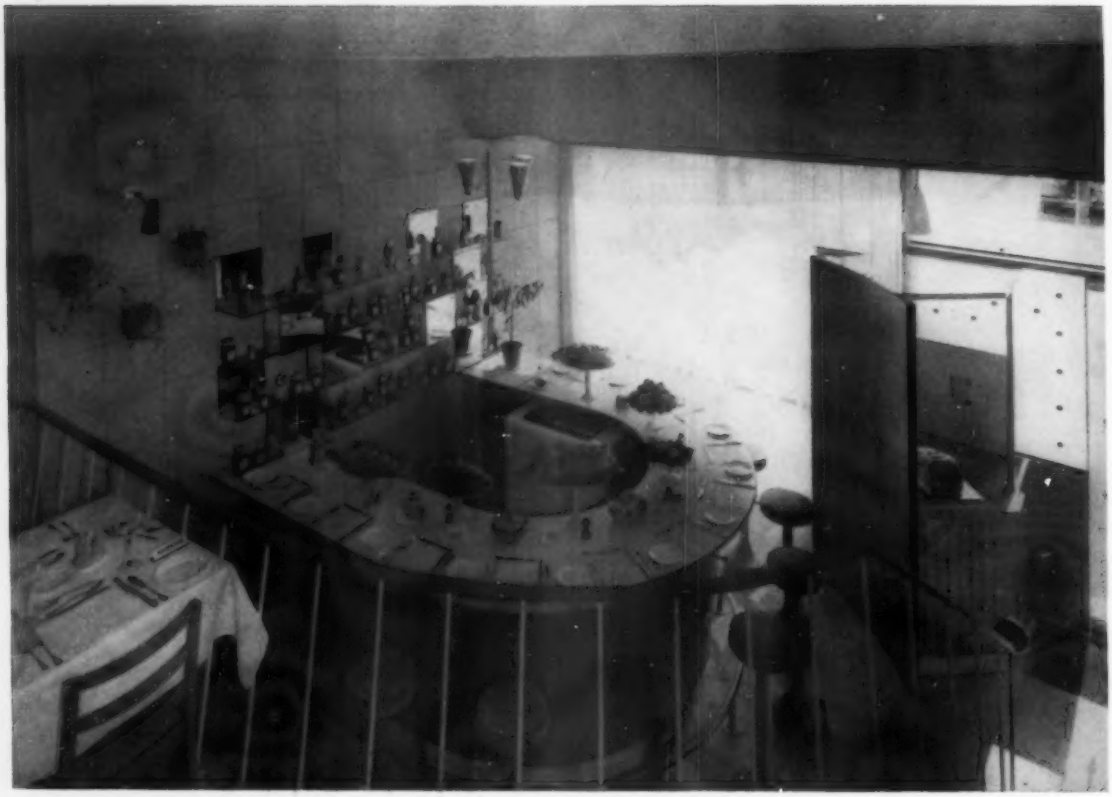
FLANGE OF VERTICAL T-ANGLES WELDED UNDER AS FEET AT FLOOR LEVEL

HINGED COUNTER FLAP WITH DOOR BELOW

BLACK SHEET PLASTIC WORKING TOP

1/2 F.S. SECTION

COLD BUFFET BAR COUNTER • THE REGENCY RESTAURANT • TORQUAY • DAWES DINGLE



COLD BUFFET BAR COUNTER, THE REGENCY RESTAURANT, TORQUAY

ARCHITECT: DAWES DINGLE

CONTRACT • NEWS •

Notes below give basic data of contracts open under locality and authority which are in bold type. References indicate: (a) type of work, (b) address for application. Where no town is stated in the address it is the same as the locality given in the heading, (c) deposit, (d) last date for application, (e) last date and time for submission of tenders. Full details of contracts marked ★ are given in the advertisement section.

OPEN

BUILDING

BLACKWELL R.C. (a) 42 houses, 18 bungalows, Shirebrook. (b) Housing Superintendent, 100, Chesterfield Road South, Mansfield. (c) 2gns. (e) Feb. 23.

• • •

BOURNEMOUTH B.C. (a) Adaptation of 10, Wellington Road, Bournemouth, to form a day nursery. (b) Borough Architect, Room 106, Town Hall. (c) 2gns. (e) Feb. 10.

• • •

BROMSGROVE U.C. (a) Erection of flats and maisonettes on Section No. 10 of Charford Estate, with drains, paths, retaining walls and ancillary works. (b) Engineer and Surveyor, Council House. (c) 3gns. (d) Jan. 29. (e) Feb. 26.

• • •

BUCKINGHAMSHIRE C.C. (a) 2 secondary schools, at Great Missenden and at Stokenchurch (approx. cost £85,000 each). (b) Council's Clerk, County Hall, Aylesbury. (d) Feb. 1.

• • •

BURMA. (a) Erection of the new head office building, up to and including suspended ground floor slab, for Union Bank of Burma, at Rangoon. (b) General Manager, Union Bank of Burma, Sule Pagoda Road, Rangoon; in duplicate. (d) Feb. 15.

• • •

CAERNARVONSHIRE E.C. (a) Technical college at Bangor. (b) Director of Education, Education Offices, Caernarvon. (c) 2gns cheque payable to County Treasurer. (d) Jan. 29.

• • •

COLWYN BAY B.C. (a) 10 houses, Elwyn Estate, Rhos-on-Sea. (b) S. Colwyn Foulkes, Merton Place, Pwllycrochan Avenue. (e) Feb. 10.

• • •

COOKHAM R.C. (a) 20 houses, shop with living accommodation and site works, etc., Cannon Bridge Estate, Cookham Rise. (b) Engineer and Surveyor, Council Offices, Oaklands, 1, Bath Road, Maidenhead. (c) 2gns. (e) Feb. 10.

• • •

CORNWALL C.C. (a) Secondary school at Trescobeas, Falmouth. (b) Messrs. Lyons, Israel and Ellis, 26, Seymour Street, London, W.1. (c) 5gns. (e) March 7.

• • •

CROYDON B.C. (a) 13 houses, Spa Hill; 13 houses, Beauchamp Road. (b) Borough Engineer, Town Hall.

• • •

DONCASTER B.C. (a) Technical high school for boys, Armthorpe Road. (b) Borough Architect, 15, South Parade. (c) 3gns. (e) March 1.

• • •

EAST DEVON WATER BOARD. (a) 2 houses, Jerrards Estate, Honiton. (b) A. R. Lamb, 2, Prospect Place, Ottery St. Mary. (c) 3gns. (e) Feb. 14.

• • •

ETON R.C. (a) 18 dwellings, Moreland Avenue site, Colnbrook. (b) Council's Clerk, Council Offices, Windsor Road, Slough. (c) 2gns. (e) March 5.

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GLAMORGAN C.C. (a) Sub-divisional headquarters at Sandfields, Aberavon. (b) County Police Architect's Department, Police Headquarters, Bridgend. (c) 2gns. (e) Feb. 10.

• • •

HUNTINGDONSHIRE C.C. (a) Erection of an art room and conversion of classroom to form a biology laboratory, Ramsey Abbey Grammar School. (b) County Architect, County Buildings, Huntingdon. (e) Feb. 14.

• • •

HUDDERSFIELD B.C. (a) Secondary school, Deighton. (b) Borough Architect, High Street Buildings. (c) 2gns. (e) Feb. 24.

• • •

KINGSTON-UPON-HULL C.C. (a) Alterations and improvements to Children's Homes Nos. 1 and 2, Hessle High Road. (b) City Treasurer, Guildhall. (c) 1gn. (e) Feb. 7.

• • •

KINGSTON-UPON-HULL C.C. (a) 195 dwellings and 23 garages, Longhill Estate. (b) City Treasurer, Guildhall. (c) 1gn. (e) Feb. 9.

• • •

LANCASHIRE C.C. (a) Erection of 2 additional classrooms at Penketh and Sankey School; alterations to Chadderton Newton Street Central Kitchen; erection of a secondary school at (1) Denton Haughton Green, (2) Padgate. (b) County Architect, P.O. Box No. 26, County Hall, Preston. (d) Feb. 1.

• • •

LANCASHIRE C.C. (a) Builders' work on the foundations and site works of a prefabricated school, at Worsley Grammar Technical School; alterations and additions to sanitary accommodation at Crosby North Road School; erection of scullery and dining-room at Farnworth; erection of 2 further classrooms and alterations at Middleton Boarshaw; erection of a scullery and dining-room at Leigh Butts; foundations and drainage for erection of a classroom at Knowsley Maypole, and erection of a police group garage at Accrington. (b) County Architect, P.O. Box No. 26, County Hall, Preston. (d) Feb. 1.

• • •

LEICESTER C.C. (a) Erection of a classroom instalment, Thurmaston Primary School. (b) County Architect, 123, London Road. (c) 2gns. (d) Feb. 4. (e) Feb. 19.

• • •

LEICESTERSHIRE C.C. (a) Erection of classroom block at Glenfield Junior School. (b) County Architect, 123, London Road, Leicester. (c) 2gns. (e) Feb. 23.

• • •

LONDON—ACTON B.C. (a) Works at John Perryn School, to provide classroom, kitchen and dining hall. (b) Borough Engineer, Town Hall, W.3. (e) Feb. 18.

• • •

LONDON—LAMBETH B.C. (a) 200 flats and maisonettes in 3-, 4- and 9-storey blocks, with shops and roads, Opal Street site No. 5. (b) Town Clerk, Town Hall, S.W.2, with details of recent contracts carried out. (d) Feb. 4.

• • •

LONDON—STEPNEY B.C. (a) Erection of the superstructure of a 5-storey block of 30 flats, Lance Street site, Limehouse, E.14. (b) Borough Engineer, Municipal Offices, 227-233, Commercial Road, E.1. (c) 10gns. (e) Feb. 21.

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MOULD U.C. (a) 20 houses and 4 shops, with living accommodation on 2 floors, Bromley's Park. (b) Ffrangcon Lloyd, The Cross Chambers. (c) 3gns. cheque payable to Council. (e) Feb. 21.

• • •

N. IRELAND—BELFAST. (a) Primary school at Ballyhackamore, for Rev. W. P. Kirkwood. (b) John A. Tynan, 68, Royal Avenue. (c) 3gns. (e) Feb. 8.

• • •

N. IRELAND—BELFAST. (a) Erection of offices at Holywood Road, for N. Ireland Local Government Officers' Superannuation Committee. (b) Messrs. F. H. Wright & Partners, 11, College Square North. (c) 3gns. (e) Feb. 8.

• • •

N. IRELAND—BELFAST C.C. (a) 110 houses, Andersonstown Park Estate. (b) Housing Architect, 94, Chichester Street. (c) £5 payable to Corporation. (e) Feb. 1.

• • •

N. IRELAND—DOWN COUNTY E.C. (a) Intermediate school at Comber, Co. Down. (b) Messrs. McCarthy and Lilburn, 47, Scottish Provident Buildings, Belfast. (c) 5gns. (e) Feb. 17.

• • •

N. IRELAND—LURGAN B.C. (a) Supply and erection of structural steelwork at the Public Abattoir. (b) R. J. Farmer, Town Hall. (c) 2gns. (e) Feb. 1.

• • •

N. IRELAND—NORTHERN IRELAND HOSPITALS AUTHORITY. (a) Erection and completion of additional bed accommodation, etc., at Throne Hospital. (b) Messrs. W. H. Stephens and Sons, 13, Donegall Square North, Belfast. (c) 5gns. (e) Feb. 14.

• • •

N. IRELAND—STRABANE. (a) Conversion of Milltown House, Strabane, to form a grammar school. (b) Messrs. W. H. McAlister and J. Tomlinson, 6, Market Street, Omagh. (c) 5gns. (e) Feb. 14.

• • •

NORFOLK C.C. (a) Police house with office at Hockwold, police house at Attleborough and police house at Methwold. (b) County Architect, 27, Thorpe Road, Norwich. (e) Feb. 10.

• • •

NORTHAMPTON GRAMMAR SCHOOL JOINT E.C. (a) 3-storey block containing laboratories, classrooms and practical room. (b) Joint Clerks, Northampton Grammar School, Billing Road, Northampton. (d) Feb. 2.

• • •

NORTHAMPTONSHIRE STANDING JOINT COMMITTEE. (a) Pair of police houses at Brackley and/or 2 pairs of police houses at Towcester. (b) Clerk, County Hall, Northampton. (d) Feb. 1.

• • •

OSSETT B.C. (a) (1) 8 houses at Broomcroft; (2) 18 houses at Storrs Hill Road; (3) 30 houses at Sunnydale Park; (4) 22 houses at Headlands; (5) 2 houses at The Green. (b) Borough Surveyor, Town Hall (all or separate trades). (e) Feb. 9.

• • •

SALFORD C.C. (a) 48 flats and 3 houses, Moss Meadow, Salford, 6. (b) City Engineer, Town Hall, 3. (c) 3gns. (e) Feb. 11.

• • •

SCOTLAND—TULLIBODY. (a) 20 houses at St. Serf's Road, Tullibody. (b) Scottish Special Housing Association, Ltd., 15-21, Palmerston Place, Edinburgh, 12. (All or separate trades.)

SCOTLAND—WEST LOTHIAN C.C. (a) Extensions to Bo'ness Academy; (all or separate trades). (b) County Clerk, County Buildings, Linlithgow. (d) Jan. 31.

• • •

STANLEY U.C. (a) 34 houses, Bottom Boat Road, Bottom Boat. (b) Engineer and Surveyor, Council Offices, Coach Road, Outwood, Wakefield. (c) 2gns. (e) Feb. 4.

• • •

SUNDERLAND B.C. (a) Extensions to Villette Road School Clinic. (b) Borough Architect, Grange House, Stockton Road. (c) 2gns. (e) Feb. 11.

• • •

WALLASEY B.C. (a) Erection of a dining room and scullery at Riverside School. (b) Borough Architect, Town Hall. (e) Feb. 14.

• • •

WORTHING B.C. (a) Public convenience and ticket offices, Manor Sports Ground. (b) Borough Engineer, Town Hall. (c) 2gns. (d) Jan. 31.

PLACED

Notes on contracts placed state locality and authority in bold type with (1) type of work, (2) site, (3) name of contractor and address, (4) amount of tender or estimate. † denotes that work may not start pending final acceptance, or obtaining of licence, or modification of tenders, etc.

WOOLWICH, GREENWICH AND N.W. KENT JOINT COMMITTEE. (1) Crematorium. (2) Eltham Cemetery. (3) Halse and Sons, Ltd., 5, Chapel Hill, London, S.E.18. (4) £68,540.

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• • •

LONDON COUNTY COUNCIL. (1) 395 dwellings. (2) Bentham Road, Hackney. (3) Rush and Tompkins, Ltd., Station Road, Sidcup, Kent. (4) £850,000. (1) 10 blocks of maisonettes, shops etc. (1) Barchester Street, Poplar. (3) Rush and Tompkins, Ltd. (4) £650,000. (1) 1,035 dwellings in 20 multi-storey blocks. (2) Roehampton. (3) Wates, Ltd., 1258, London Road, Norbury, S.W.16. (4) £2,700,000. (1) 130 dwellings. (2) Barrie Street, Paddington. (3) Wates, Ltd. (4) £410,000.

• • •

COVENTRY CORPORATION. (1) Police headquarters. (2) Coventry. (3) Gilbert-Ash, Ltd., 1, Stanhope Gate, London, W.1. (4) £297,504.

• • •

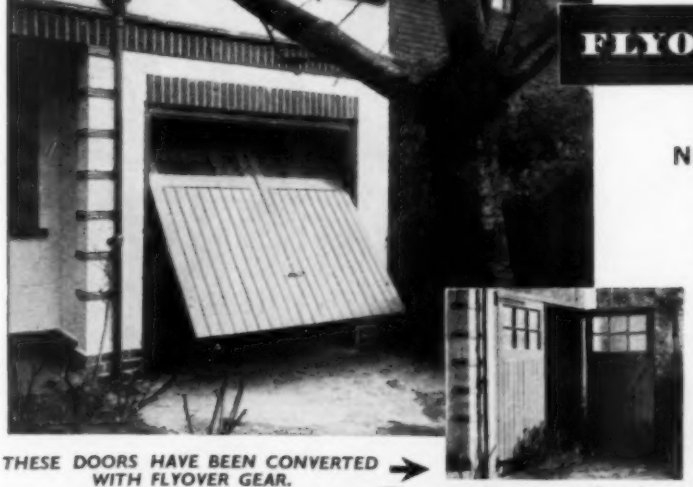
NEWCASTLE-ON-TYNE. (1) Large brewhouse, for Northern Clubs Federation Brewery. (3) C.W.S. Building Department, West Blandford Street, Newcastle-on-Tyne.

• • •

MANCHESTER CORPORATION. (1) 68 flats and maisonettes. (2) Ridgway Street, Ancoats. (3) Direct Labour Department. (1) 146 houses. (2) Middleton. (3) A. Locke (1940), Ltd., 160, Higher Road, Urmston, Lancs.

• • •

CARDIFF CORPORATION. (1) 100 "unity" houses. (2) Llanrumney Estate. (3) Unity Structures, Ltd., 3, Tavistock Square, London, W.C.1. (4) £135,500. (1) 100 houses. (2) Llanrumney Estate. (3) John Laing and Son, Ltd., London, N.W.7. (4) £136,689.



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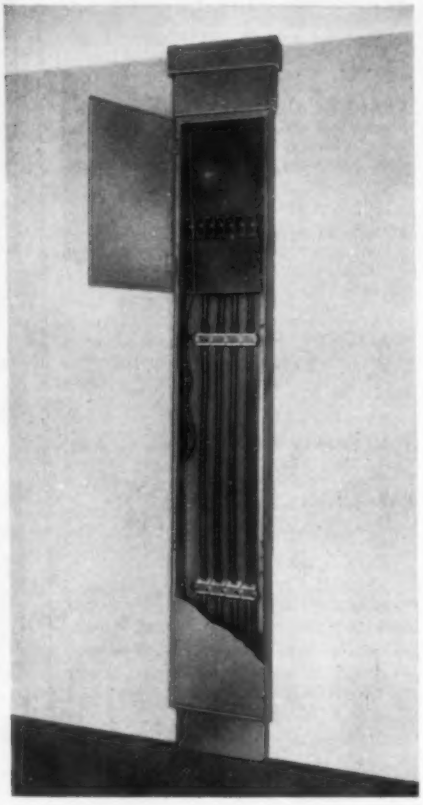

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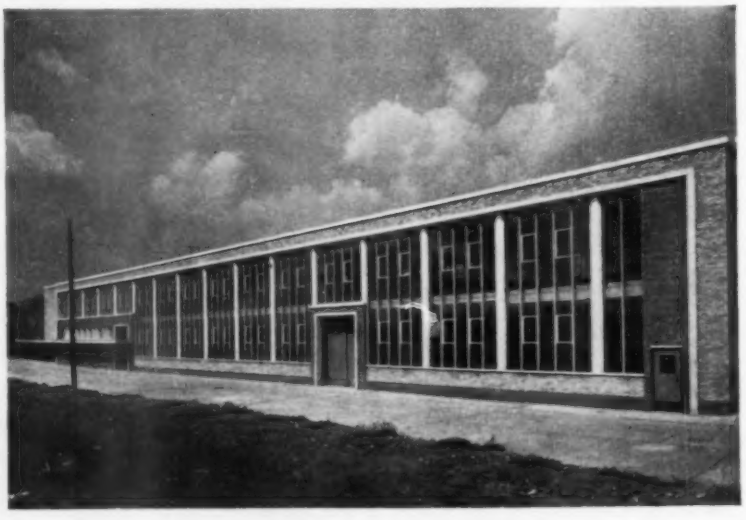

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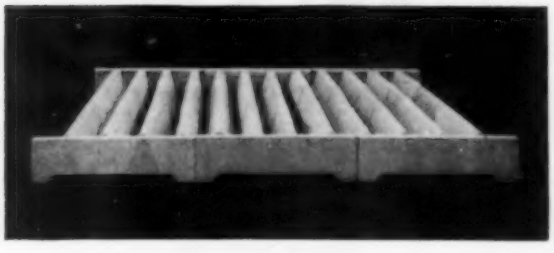

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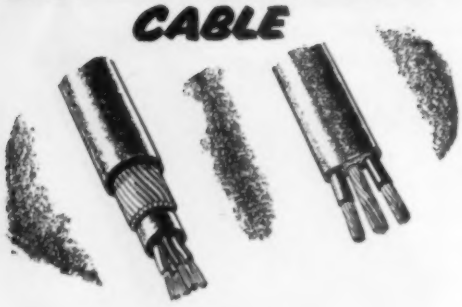

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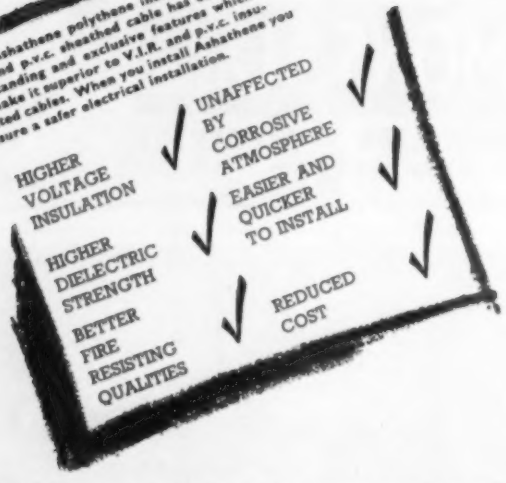

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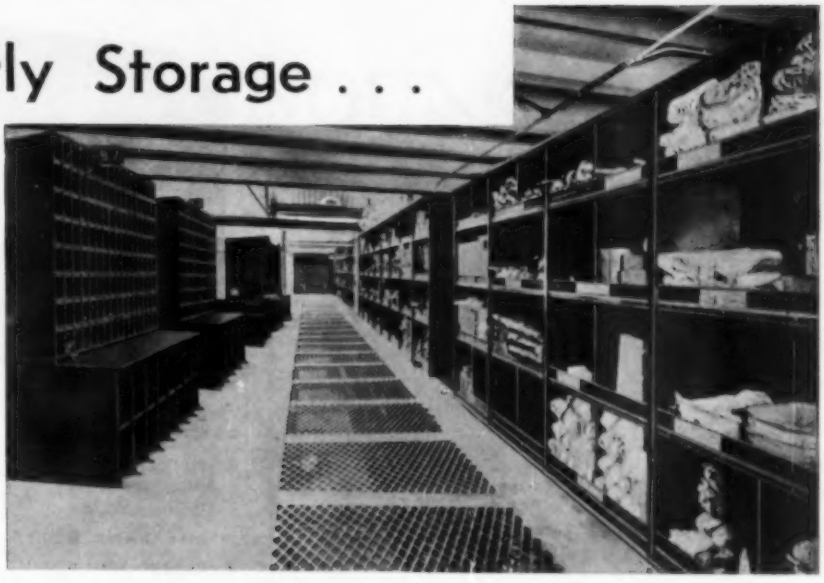

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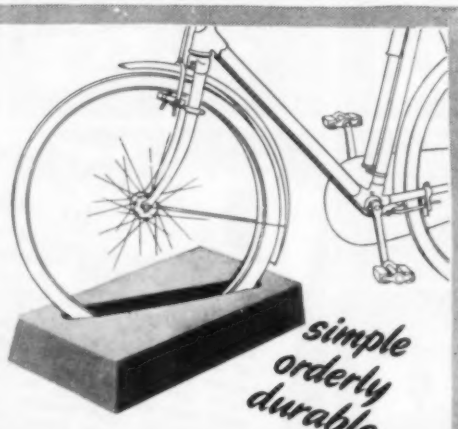

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OFFICIAL ANNOUNCEMENTS

APPOINTMENTS • CONTRACTS • TENDERS

Rate 1/6 per line, minimum 3/- *Close for press 1st post Monday for following Thursday Issue*

APPOINTMENTS

The engagement of persons answering these advertisements must be made through the local office of the Ministry of Labour and National Service, etc., if the applicant is a man aged 18-64 or a woman aged 18-59 inclusive, unless he or she or the employer is excepted from the provisions of The Notification of Vacancies Order, 1952.

OFFICE OF THE RECEIVER FOR THE METROPOLITAN POLICE DISTRICT.

APPLICATIONS are invited for unestablished appointments as LEADING ARCHITECTURAL ASSISTANTS in the Architect and Surveyor's Department. The work is concerned with the design and construction of police dwellings and buildings and candidates will be required to work in the Westminster area.

Rates of pay:*—
Men: £665 × £20—£755 × £25—£780.
Women: £580 × £20—£640 × £25—£665.

* The scales quoted are subject to an increase of approximately 3 per cent while a 45½-hour week is being worked and also to the addition of a Pay Supplement of £25 or £30 per annum according to the point reached on the scale.

Conditioned hours, 44 per week.

Annual leave, 24 days.

Application forms from the Chief Architect, Architect and Surveyor's Department, New Scotland Yard, London, S.W.1, marking the envelope "Architectural Assistants." [0632

EAST BARNET URBAN DISTRICT COUNCIL.

ENGINEER & SURVEYOR'S DEPARTMENT.

APPLICATIONS are invited for the following permanent appointments:—

(I) ASSISTANT ENGINEER. A.P.T. Grade III (£600—£25—£725 per annum, plus London Weighting).

(II) ASSISTANT ARCHITECT. A.P.T. Grade III (£600—£25—£725 per annum, plus London Weighting).

The Council will be unable to provide housing accommodation.

Forms of Application and Conditions of Appointment may be obtained from the Engineer & Surveyor, Town Hall, Station Road, New Barnet, Hertfordshire. Completed Application Forms must be returned by not later than Saturday, 19th February, 1955. [8723

COUNTY BOROUGH OF GREAT YARMOUTH EDUCATION COMMITTEE.

SCHOOLS ARCHITECT'S DEPARTMENT.

APPLICATIONS are invited from Associate Members of the R.I.B.A. to fill the vacancy for a SENIOR ASSISTANT ARCHITECT within A.P.T. Grade IV (Amended) (£675 to £825).

Candidates should have a knowledge of modern school design and construction.

The appointment is superannuable and subject to the National Conditions of Service, and the appointment will be terminable by one month's notice on either side.

HOUSING ACCOMMODATION will be made available if required.

Canvassing will be deemed a disqualification, and candidates must disclose any relationship to any member or holder of any senior office under the Council. Candidates who fail to do so will be disqualified or, if appointed, liable to dismissal without notice.

Applications, stating age, qualifications, experience and giving details of present and past appointments, together with the names of two referees, should reach the Schools Architect, 22 Euston Road, Great Yarmouth, by the 12th February, 1955.

D. G. FARROW,
Chief Education Officer.

22, Euston Road,
Great Yarmouth. [8725

APPOINTMENTS—contd.

HAMPSHIRE.

APPLICATIONS are invited for the appointment of ASSISTANT ARCHITECTS, Grade IV (£675-£825), in the County Architect's Department. Candidates must be Registered Architects, preferably A.R.I.B.A., with good general experience in the design and construction of Public Buildings.

The appointments are pensionable, subject to satisfactory medical report, and will be terminable by three months' notice on either side. In approved cases the County Council is prepared to assist newly appointed staff to meet removal and other expenses.

Applications, on forms obtainable from the County Architect, The Castle, Winchester, should reach him by the 5th February. [8727

COUNTY BOROUGH OF EAST HAM.

SENIOR ARCHITECTURAL ASSISTANT—GRADE IV £675—£825.
QUANTITY SURVEYOR—GRADE II £560—£640.

London Weighting is paid in addition. Salary in excess of the minimum may be paid according to qualifications and experience.

Subsistence allowances may be granted over a reasonable period to the persons appointed if unable to obtain suitable housing accommodation, necessitating the maintenance of two homes.

Further details and application forms returnable by 11th February, 1955, from the Town Clerk, Town Hall, East Ham, E.6. [8732

DEVON COUNTY COUNCIL.

APPLICATIONS are invited for the following posts:

(a) DEPUTY COUNTY ARCHITECT (New J.N.C. Scale G).

(b) ASSISTANT ARCHITECT (New A.P.T. VII).

(c) ASSISTANT ARCHITECT (A.P.T. V).

(d) Two ASSISTANT ARCHITECTS (A.P.T. IV).

Candidates for (a) should be Fellows or Associates of the Royal Institute of British Architects. Candidates for other posts should be Associates. Experience in administration and in the design of schools is essential for (a) and desirable for other posts.

Particulars and application forms (returnable by 28th February, 1955) from the County Architect, 97, Heavitree Road, Exeter. [8710

COUNTY OF LEICESTER.

(a) SENIOR ASSISTANT ARCHITECT, £750—£900.

(b) ASSISTANT ARCHITECT, £625—£675.

APPLICANTS for (a) must be registered architects, have good experience in design and construction of modern buildings, capable of carrying through projects from inception to completion and able to take charge of group (b) be registered architects experienced in preparation of working drawings from sketches and taking charge of smaller contracts. Apply by February 11 on form obtainable from County Architect (D), 123, London Road, Leicester. [8704

COUNTY BOROUGH OF EAST HAM.

TEMPORARY ESTIMATOR—GRADE III £600-£725.

LONDON Weighting is paid in addition. Salary in excess of the minimum may be paid according to qualifications and experience.

A subsistence allowance may be granted over a reasonable period to the person appointed if unable to obtain suitable housing accommodation, necessitating the maintenance of two homes.

Further details and application forms returnable by 11th February, 1955, from the Town Clerk, Town Hall, East Ham, E.6. [8709

APPOINTMENTS—contd.

COUNTY BOROUGH OF WEST HAM.

BOROUGH ARCHITECT AND PLANNING OFFICER'S DEPARTMENT.

APPLICATIONS invited from men of imagination and initiative for the following established posts:—

(a) Two Senior Assistant Architects—New A.P.T. Grade IV—£675 × £30—£825 p.a.

(b) Assistant Architect—New A.P.T. Grade III —£600 × £25 – £725.

(c) Architectural Assistant—£540 × £20—£600. (Salary subject to review.)

(d) Two Senior Assistants, Planning—new A.P.T. Grade V—£750 × £30—£900 p.a.

(e) Senior Assistant, Planning—New A.P.T. Grade IV—£675 × £30 – £825 p.a. and qualified, as under:—

(a) A.R.I.B.A., capable of controlling large Contracts.

(b) A.R.I.B.A. or Registered Architect and able to supervise Contracts.

(c) R.I.B.A. Intermediate Exam. standard with office experience.

(d) A.M.T.P.I. and other qualification an advantage. Experience in Planning Administration Development Plan work, etc.

(e) A.M.T.P.I. Experience in Planning Administration Development Plan work, etc.

Salaries subject to addition of London Allowance.

Application forms (returnable by 15th February, 1955), from Thomas E. North, O.B.E., F.R.I.B.A., Dist.T.P., Borough Architect and Planning Officer, 70, West Ham Lane, Stratford, E.15. [8702

BOROUGH OF CHELTENHAM.

HOUSING DEPARTMENT.

Appointment of Repairs Superintendent. (A.P.T. I—£500 × £20 × £580 p.a.)

APPLICATIONS are invited for this appointment from applicants with practical knowledge of all branches of the building trade, to assist with the supervision of maintenance repairs to the Council's permanent and temporary houses.

The appointment is subject to the National Conditions of Service, to the Superannuation Acts, and to a medical examination and will be determinable by one month's notice.

Applications, stating age, qualifications and experience, with copies of two recent testimonials to the Housing Manager, "Glensanda," Montpellier Parade, Cheltenham, not later than 4th February, 1955.

F. D. LITTLEWOOD,
Town Clerk.
[8733

MINISTRY OF WORKS.

ARCHITECTURAL ASSISTANTS required for drawing offices in London, Edinburgh and various provincial offices, including Aldermaston, Berks; Harwell, Berks; Nancekuke, Cornwall; Ranskill, Notts; and Bishopton, Renfrew.

Candidates must have had at least three years' architectural training, some experience in an architect's office, and be of Intermediate R.I.B.A. standard.

London salary £442—£695 per annum. Rates elsewhere slightly less. Starting pay according to age and experience. Prospects of promotion and establishment.

State age, full details of training and experience and office desired, to E. Bedford, Esq., C.V.O., A.R.I.B.A., Chief Architect, Ministry of Works, W.G.10/C.A.10(G), Abell House, John Islip Street, London, S.W.1. [8734

NORFOLK COUNTY COUNCIL.

ASSISTANT Quantity Surveyor required; salary A.P.T. Grade III (£600-£25-£725) per annum; experience of taking off and working up, checking final accounts, essential; N.J.C. Service conditions; post pensionable, medical examination. Applications, stating age, experience, qualifications, training, present appointment and salary, and giving names of three referees, to County Architect, 27, Thorpe Road, Norwich, by 11th February. [8712

APPOINTMENTS—contd.

LONDON COUNTY COUNCIL.

ARCHITECT'S DEPARTMENT.

VACANCIES for Architects Grade III (up to £892 10s) and Architectural Assistants (up to £739 10s) in Schools, Housing and General Divisions.

Particulars and application forms from Architect, AR/EK/A/3, County Hall, S.E.1. (1058) [0146

BOROUGH OF WEMBLEY.

APPOINTMENT OF SECOND ASSISTANT ARCHITECT.

APPLICATIONS are invited from persons who have had good practical experience in the design and construction of houses, flats and public buildings.

Salary according to qualifications and experience: A.P.T. II (£560×£20 to £640 p.a.) or A.P.T. III (£600×£25 to £725 p.a.) plus London "Weighting" allowance.

Application, quoting Ref. D, and disclosing any relationship to a Member or Senior Officer of the Council, must reach the Borough Engineer and Surveyor, Town Hall, Wembley, by 5th February, 1955.

Canvassing disqualifies. Housing accommodation not provided. [8716

NATIONAL COAL BOARD—NORTH EASTERN DIVISION

APPLICATIONS are invited for the appointment of Architectural Assistant Grade 2 on the staff of the Divisional Chief Architect at Denaby Main, near Doncaster.

Applicants should have passed the intermediate examination of the Royal Institute of British Architects, have had some subsequent practical experience, should be able to prepare sketch plans and working drawings under supervision, and have a sound knowledge of building construction. The salary, within the scale of £440×£20 to £540, will depend on the qualifications and experience of the successful applicant.

Application forms may be obtained from the Divisional Chief Architects, National Coal Board, Architects' Branch, Denaby Main, near Doncaster. [8701

LONDON COUNTY COUNCIL.

ARCHITECT'S DEPARTMENT.

VACANCIES for Architectural and Surveying Assistants (up to £739 10s 0d) in the Maintenance and Improvements Division. Particulars and application forms, returnable by 15th February, 1955, from The Architect (AR/EK/M/3), The County Hall, S.E.1. (49.) [8713

TENDERS

BROMSGROVE URBAN DISTRICT COUNCIL.

CHARFORD HOUSING ESTATE—SECTION No. 10.

ERECTION OF FLATS AND MAISONNETTES.

THE Council invite tenders for the erection of flats and maisonnettes on the Charford Housing Estate, Section No. 10, in one contract as follows:

One Block of Twelve 1-bedroom Flats.
" Eighteen 1-bedroom Flats.
" Twelve 2-bedroom Flats.
" Eighteen 2-bedroom Flats.

Three Blocks of Twelve Flats and Maisonnettes comprising:

Four 2-bedroom Flats.
Two 2-bedroom Maisonnettes.
Six 3-bedroom Maisonnettes.

Together with drains, paths, retaining walls and other ancillary works.

Bills of Quantities and Form of Tender will be sent to Builders and Contractors making a written application to the Engineer and Surveyor, Council House, Bromsgrove, not later than Saturday, 29th January, 1955. The application should be accompanied by a deposit of £3 3s, which sum will be returned upon the receipt of a bona fide tender, together with all the documents.

Tenders in plain sealed envelopes endorsed "Charford Housing Estate, Section No. 10" are to be delivered to the undersigned not later than Saturday, 26th February, 1955.

Plans and specifications may be inspected at the offices of the Engineer and Surveyor, Council House, Bromsgrove, or the Quantity Surveyor, R. H. Crump, Esq., 39, High Street, Bromsgrove, during the usual office hours.

The Council do not bind themselves to accept the lowest or any tender and any acceptance is subject to the approval of the Ministry of Housing and Local Government.

F. A. JESSOP,
Clerk to the Council.

Council House, Bromsgrove.
14th January, 1955. [8717

TENDERS—contd.

BEDLINGTONSHIRE URBAN DISTRICT COUNCIL.

PROPOSED SHOPS: GRANGE PARK ESTATE, BEDLINGTON STATION.

TENDERS are invited for the supply and erection of four shop fronts in connection with the above building.

The Specification and plans can be obtained on application from the Engineer & Surveyor, Council Offices, Bedlington. Tenders in sealed envelopes endorsed "Shop fronts" to be received by the undersigned not later than last post 12th March, 1955.

F. S. FORSTER,
Clerk to the Council.

Council Offices,
Bedlington,
Northumberland.
14th January, 1955. [8726

WEXFORD COUNTY COUNCIL.

REPUBLIC OF IRELAND.

CONSTRUCTION OF REINFORCED CONCRETE BRIDGE.

THE time for submission of tenders for the construction of a reinforced concrete bridge over the River Slaney at Wexford has been extended to 12 o'clock noon on Monday, 14th March, 1955.

THOMAS F. McDERMOTT,
Secretary,
Wexford County Council.

County Hall, Wexford.
14th January, 1955. [8715

CHAPEL-EN-LE-FRITH RURAL DISTRICT COUNCIL.

HOUSING 1955 PROGRAMME.
1st INSTALMENT.

SCHEME (a): HAYFIELD, SWALLOWHOUSE LANE, 28 HOUSES.

SCHEME (b): BUXWORTH, BRIERLEY PARK, 8 HOUSES.

TENDERS are invited for construction of above houses and of site works at Buxworth.

Bills of Quantities and Form of Tender may be obtained from the Engineer and Surveyor, Council Offices, Hayfield Road, Chapel-en-le-Frith, Via Stockport, on payment of a deposit of £3 3s which will be refunded on receipt of a bona fide tender.

Plans, drawings and conditions of contract may be inspected at the office of the Engineer and Surveyor. Conditions of contract will be those contained in the R.I.B.A. form of Contract where quantities form part of the contract and in addition the General Conditions and specification for Road and Sewer Works.

Tenders in sealed envelopes endorsed "Housing Scheme (a) and/or (b)" to be delivered to the undersigned not later than February 26, 1955.

The Council do not undertake to accept the lowest or any tender.

L. JAGGER,
Clerk of the Council.

Council Offices,
Hayfield Road,
Chapel-en-le-Frith,
Via Stockport.
January 26, 1955. [8709

MISCELLANEOUS SECTION

RATE: 1/6d. per line, minimum 3/-, average line 6 words. Each paragraph charged separately.

BOX NOS. add 2 words plus 1/- for registration and forwarding replies which should be addressed c/o, "The Architect & Building News," Dorset House, Stamford Street, London, S.E.1.

PRESS DAY Monday. Remittances payable to Iliffe & Sons Ltd., Dorset House, Stamford Street, London, S.E.1.

No responsibility accepted for errors.

ARCHITECTURAL APPOINTMENTS VACANT

ASSISTANT, Inter standard, immediately.—Musman & Cousens, 12, Upper Berkeley St., W.1. [8693

ARCHITECTURAL assistant of final standard required by busy London office.—Write, stating age, qualifications, and salary required, to Box 1394, c/o A. & B.N.

ARCHITECTURAL APPOINTMENTS VACANT—contd.

YOUNG qualified Architect interested in light steelwork required by company engaged in steel construction. Full details of age, experience, etc., to Box 1187, c/o A. & B. N. [8691

ARCHITECTS' Co-partnership require qualified assistant. Salary according to experience. The office is doing work in U.K. and West Africa. Tel. Langham 5791 or write to 44, Charlotte St., W.1. [8720

ADAMS, HOLDEN & PEARSON require senior and junior Architectural Assistants immediately.—Write giving particulars of experience and salary required to 38, Gordon Square, W.C.1. [8711

ARCHITECTURAL draughtsmen required by Ilford, Ltd., for staff architect's office, applicants should have completed at least one year's office experience.—Apply in writing, stating age, training and experience to Ilford, Ltd., Romford, Essex. [8670

ARCHITECTURAL Assistants required by Sir Percy Thomas and Son in their Cardiff office at 10, Cathedral Rd.; only fully qualified and experienced men should apply, stating experience, age and salary required. [8722

LAVENDER, TWENTYMAN & PERCY require experienced Architectural Assistants for responsible work on buildings of contemporary character and high quality.—Apply 2, Waterloo Road, Wolverhampton. [8697

ARCHITECTS: Senior assistants required immediately, experienced in commercial/industrial or hospital work. Excellent prospects. Superannuation scheme.—S. N. Cooke and Partners, 34, Harborne Road, Birmingham, 15. [8698

ARCHITECTURAL Assistant, industrial experience, commencing salary £700, no Saturdays, free lunches, pension scheme.—Apply Surveyor, Wiggins Teape & Co. (1919), Ltd., Aldgate House, Mansell Street, London, E.1. [8699

LONDON architects and surveyors require keen able man to take charge of architectural department; prospects of partnership for right man.—Reply, stating age, qualifications, experience and salary required, to Box 1391, c/o A. & B.N. [8724

WANTED immediately, qualified and experienced architect, single, as Assistant Architect representing the firm in West Africa; age approx. 28; 18 months' tour; 3 months' leave full pay.—Apply: Fry, Drew, Drake & Lasdun, 63, Gloucester Place, W.1. Tel. Welbeck 3318. [8728

A VICTORIA office requires both junior and intermediate grade Architectural Assistants. Applicants should be interested in planning for modern industry, the presentation of schemes and the working up of details, etc.—Please reply stating previous experience and salary required to Box 0965, c/o A. & B.N. [8662

BOROUGH of Hampstead require Junior Architectural Assistant. Salary Higher General Division. (At age 18—£230 rising to maximum of £475, plus London weighting.) Medical examination. No housing provided. Applications, giving three referees, to the Town Clerk, Town Hall, Haverstock Hill, N.W.3. Closing date 11th February, 1955. [8714

MIDLOTHIAN COUNTY COUNCIL require Architectural Assistants with sound knowledge of housing and school buildings; gradings according to ability and experience up to A.P.T. VIII; all posts superannuable.—Applications, with full particulars and copy testimonials, to County Clerk, County Buildings, George IV Bridge, Edinburgh, 1. [8706

REQUIRED urgently in London, keen junior architectural assistant with initiative and ability to prepare sketch schemes, working drawings and details for large industrial project in Midlands; excellent opportunity for young man seeking experience and promotion.—Write, stating present salary, to J. Douglass Mathews & Partners, 3, Ebury St., S.W.1. [8707

VACANCY occurs shortly for a competent Architectural Assistant in N.W. Lancs office with long-term programme of interesting and diversified work in hand; Inter. R.I.B.A. standard essential and preferably around Final standard and with some years' office experience; salary range £675 to £750; please state age, training, present and previous appointments, and when free.—Box 1392, c/o A. & B.N. [8721

ASSISTANT Architect of some years good office experience and accustomed to site control and responsibility required for Manchester office; R.I.B.A. qualification desirable; interesting post with wide range of work for man of initiative and capacity.—Please give details of education, experience and salary required to Harry S. Fairhurst & Son, Chancery Chambers, 55, Brown St., Manchester, 2. [8708

ARCHITECTURAL Assistants for practice in E. Midlands city. Office experience and fine draughtsmanship essential. School, shop, office industrial and domestic work. Commencing salary according to ability rather than qualifications. Increased rate for overtime. Part-time study facilities. Good holidays, attractive office.—Apply with full particulars to Box 1393, c/o A. & B.N. [8719

ARCHITECTURAL APPOINTMENTS VACANT—contd.

TRAINEE representatives of good appearance and speech, required by nationally known precast concrete manufacturers in the Guildford, Cheltenham, Northwich and Reading areas. Age 24-32 years. Previous experience as Architectural Assistant or similar an advantage. Must have matriculated or passed School Certificate. Current driving licence essential. These posts have good prospects for young men with drive and energy.—Apply in writing, giving details of previous employment, to the Sales Manager, Surrey Concrete, Ltd., Peasmarsh, Nr. Guildford, Surrey. [8730

ARCHITECTURAL Assistants and Draughtsmen urgently required in Architect's Department (Head Office). Appointments on a permanent basis, with good prospects for applicants with initiative and having sound practical experience and knowledge. Salaries ranging from £500 to £800 per annum according to experience and ability. Write, giving brief particulars of qualifications and experience, to Chief Architect, George Wimpey & Co., Ltd., 27, Hammersmith Grove, London, W.6. (Envelopes to be marked "Staff Vacancies.") [8729

DRAUGHTSMEN required by Albright & Wilson, Ltd. This old-established and rapidly expanding company offers excellent opportunities in its central engineering department at Oldbury. The work will consist of detailed layout and design of chemical and allied plant and the department covers both new and reconstruction work for all the company's factories in the United Kingdom. An attractive salary is offered to selected applicants and there is a non-contributory Superannuation Scheme in operation. Apply in writing giving full particulars of experience, qualifications, age, etc., to the Personnel Department, Albright & Wilson, Ltd., Oldbury, Birmingham. [8731

SITUATIONS VACANT

GOLLINS, MELVIN, WARD & PARNTERS, 15, Manchester Square, W.1, require competent enthusiastic staff for interesting contemporary schemes.—Write or telephone Welbeck 991. [8700

APPLICATIONS invited from qualified and experienced men only, stating age and salary required, references and details of training and experience.—Box 1452, c/o A. & B.N. [8705

SITUATIONS VACANT—contd.

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required for
Plant Engineers' Office.

EXPERIENCED in Building Layouts and general Works' services.

Interesting work, 5-day week, good luncheon canteen and Social Club facilities. Please write, giving age and full details of previous experience, to:—

The Personnel Officer, The de Havilland Engine Company, Limited, Leavesden Aerodrome, near Watford, Herts. [8711

CLERK of Works required for large secondary school project in N.W. Lancashire, commencing about the end of March.

ASSISTANT required in busy practice in West End, in early '20s, about Intermediate R.I.B.A. standard; excellent opportunities for gaining all-round experience.—Box 0672, c/o A. & B.N. [8636

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WE specialise in white and coloured urinal sets. Let us quote you.—Thos. Lord, Ltd., Mitella Street, Burnley. [0149

JOINTLESS composition flooring in attractive colour range—quotations free.—Full particulars from the Liotex Asbestos Flooring Co., Ltd., 3, Corbetts Passage, London, S.E.16 (Dept. A), Bermondsey 4341-2-3. [8622

ALL hardwood mouldings, plain and embossed, embossed ornaments and dowels; send for catalogue and to-day's lowest trade prices.—Dareve's Moulding Mills, Ltd., 60, Pownall Road, Dalston, E.8. Clissold 1543/4. [0142

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FINANCE available for Builders. For purchase of land 75 per cent of value. For road making 80 per cent of cost. Building finance in stages, 80 per cent of cost.—Send brief details of properties in first place to Box 1058, c/o A. & B.N. [8679

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TO let, two ground-floor offices with separate toilet; main road, near tube and buses; all newly decorated; rent £3 per week inclusive.—Bell & Co., 46, Clapham Rd., S.W.9. Reliance 2273. [8709

INSURANCE

ARCHITECTS' Indemnity Insurance effected. Please write for Proposal Form to E. J. SAXBY, Incorporated Insurance Broker, 37a, Carfax, Horsham, Sussex. Tel. 990. [8549

MISCELLANEOUS

SMALL furn. office, £3 p.w., Mayfair, sec. services if req. (use waiting room).—Hyd. 1739 or May 6735 or Box 1028, c/o A. & B.N. [8703

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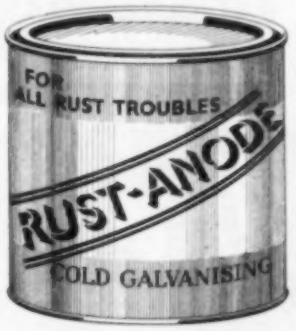

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